Подборки существенных статей по темам

Selected significant articles on research topics.

Ссылки ведут на списки существенных статей по соответствующей теме.
Чтобы найти тему, соответствующую Вашим интересам, рекомендуем использовать стандартный поиск в редакторе MS Word. Поиск лучше вести по одному слову.

! В силу специфики сайта researchgate.net, где располагается справочный материал по темам, чтобы ссылки работали:

1. зарегистрируйтесь на сайте researchgate.net – это доброе сообщество 20 миллионов студентов, исследователей и профессоров, здесь независимо от рангов можно задавать вопросы и принято отвечать;
2. скопируйте ссылку в адресную строку браузера и нажмите ENTER.

Мы стремимся создать библиотеку подборок статей для всех тем, играющих существенную роль в учебном процессе и исследованиях в УрФУ.
Для вопросов ипредложений: v.m.kugler@urfu.ru

! To make the links work:

(1) register on researchgate.net, a free service for scientists and researchers from all over the world (20 million members);

(2) copy the link to the research topic into the address bar of the browser, press ENTER.

To find a topic that interests you, use the standard MS Word search. We recommend that you search using one word only.

Подборки статей по темам:

776. Building construction logistics and supply chain

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/6231cae4d411a95e64e82fc1>

775. Building construction logistics in 5 journals

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/6231c625d411a95e64e82ec0>

774. Design of steel structure

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/622deaf6d411a95e64e78eb1>

773. Alumina ceramics

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/622ca4455d05965a9d880ff7>

772. Automated underground mining

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/62283dda5d05965a9d87505c>

771. Crystal materials and electron irradiation

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/6226429d44b55b3d8e38237e>

770. Building architecture for children

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/6226238444b55b3d8e381c67>

769. Perseus

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/621ccc19f5675b211b272239>

768. Electrical and electronics engineering for retina

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/621cae4dbe8820089e0f19e0>

767. Electroretinography

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/621cac96f5675b211b271d3b>

766. Hot rolling

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/6210ed0cb3729f0f61a8ed7a>

765. Logistics management

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/6210b3bdbe8820089e0da10d>

764. Social partnership

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/620a2c77d248c650edc6d4fb>

763. Evaluation of building

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/620924ced248c650edc6b5e2>

762. Pediatric Dermatology-2

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/6202454fb3729f0f61a6f874>

761. Pediatric Dermatology

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61f0ee67b3729f0f61a41163>

760. Prostate inflammation

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61ec21a9b3729f0f61a32e55>

759. Guide to "Materials science of metals and alloys"

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e82aa9d248c650edc14c1c>

758. msm176. Plasmon resonance and polarization

https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e69485b3729f0f61a2288e

757. msm174. Cutting conditions in surface roughness machining

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e69376b3729f0f61a2282d>

756. msm173. Electrochemical corrosion behavior of coated alloy

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e69010f5675b211b1ee76d>

755. msm172. First-principles calculations in metals

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e68efef5675b211b1ee73d>

754. msm171. Density functional theory and oxygen/hydrogen evolution reaction with catalyst

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e68de8b3729f0f61a226e2>

753. msm166. Metals ductility

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e68967b3729f0f61a22616>

752. msm162. Spin density functional theory calculations of the electronic structures and transitions in metals

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e68867b3729f0f61a225f1>

751. msm157. Effect of Deformation Temperature and Strain on Flow Stress for metals

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e68739f5675b211b1ee5b1>

750. msm156. Crystal structure, magnetic properties, magnetocaloric effect and temperature change in metals

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e68353b3729f0f61a224f2>

749. msm154. Nanostructures for human bones and cells

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e6815db3729f0f61a224a2>

748. msm151. Metal and vapour epitaxy growth

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e6801cd248c650edc0f867>

747. msm145. Magnetic-field-induced effects in the electronic structure in metal

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e679b3b3729f0f61a2233f>

746. msm144. Strength and fracture toughness of the welded joints of steel

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e678a4d248c650edc0f704>

745. msm143. Microstructure, Mechanical Properties and Wear Behavior of Alloys Reinforced with Carbide Metal Matrix Composites

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e67794d248c650edc0f6d0>

744. msm141. Metal Nanoparticles for Drug Delivery

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e67376f5675b211b1ee1d9>

743. msm136. Microstructure, texture evolution and recrystallization during strain deformation

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e67247b3729f0f61a221f8>

742. msm135. Transition metal

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e67138f5675b211b1ee16f>

741. msm134. Microstructural and Mechanical Characterization of Sintered Metal Matrix Composites

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e66c8dd248c650edc0f467>

740. msm133. Metal halide perovskite materials

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e66b7fb3729f0f61a22094>

739. msm131. Temperature effect on metals: microstructural evolution, precipitation and mechanical properties

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e66a97d248c650edc0f402>

738. msm127. Molecular Dynamics Simulation in Metals

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e665a8b3729f0f61a21fb5>

737. msm126. Metals corrosion and oxidation resistance

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e663c1b3729f0f61a21f6f>

736. msm124. Metal solar cells

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e6623ff5675b211b1ede92>

735. msm123. Metals, plasmon resonance, nanostructures and optical properties

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e65dd3f5675b211b1ede01>

734. msm122. Nanomaterials for Electrodes

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e65c66f5675b211b1eddc8>

733. msm121. Glass-metal composite synthesis

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e65b79b3729f0f61a21e09>

732. msm117. The Effects of Strain on the Deformation, Evolution of Microstructures, Texture, Grain and dynamic recrystallization in metals

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e65819b3729f0f61a21d94>

731. msm116. Microstructure, Mechanical, Oxidation Properties of Coatings for high temperature

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e65750f5675b211b1edcff>

730. msm114. Mechanical properties of ash-based reinforced with metal concrete

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e65552d248c650edc0f0c9>

729. msm113. Magnetic field, phase transitions and temperature effects in metals

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e591dcb3729f0f61a20130>

728. msm112. Metals of electrodes for capacitors and energy storages for energy density and capacitance

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e587b0d248c650edc0d303>

727. msm111. Materials for transistor

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e57afcb3729f0f61a1fcd6>

726. msm107. Metal-organic framework, center dot

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e57a0cb3729f0f61a1fc84>

725. msm105. Metal additive manufacturing based on laser

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e5792ef5675b211b1ebbdb>

724. msm104. Transitions, physical and magnetic properties, crystal structure and temperature effect in metals

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e563e6f5675b211b1eb7a2>

723. msm096B. Ultrasonic welding

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e55ef0d248c650edc0c98f>

722. msm096. Microstructure and mechanical properties of aluminium welded joints

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e55414d248c650edc0c71e>

721. msm095. Metals crystal structure and magnetic and magnetocaloric properties

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e552bcb3729f0f61a1f35f>

720. msm094. Metal electronic structures calculation

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e551b2f5675b211b1eb369>

719. msm093. Metal/cement strength

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e550a2b3729f0f61a1f2fd>

718. msm092. Metals deformation temperature and dynamic recrystallization

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e54fb1f5675b211b1eb2eb>

715. msm091D. Metals in coordination polymers - 2

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e54edcd248c650edc0c5f3>

714. msm091C. Metals in coordination polymers

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e54dd9d248c650edc0c5b2>

713. msm091B. Metal Organic Framework

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e5465ed248c650edc0c3ac>

712. msm091. Ligands and center dot with metals

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e54589f5675b211b1eb061>

711. msm087. Friction welding

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e54064b3729f0f61a1eee2>

710. msm085. Heat treatment of alloys, evolution of microstructure and mechanical properties, phase transformation and precipitation

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e53528f5675b211b1eac5f>

709. msm084. Metal Material Modeling in Finite Element Analysis

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e533fdd248c650edc0bec5>

708. msm083. Plasmonic Sensing with Nanostructured Metal

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e5330df5675b211b1eabb7>

707. msm082. Synthesis and analysis of metallic materials based on nanostructures

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e531fdb3729f0f61a1eaf7>

706. msm081. Metal corrosion protection

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e5305bf5675b211b1eab0a>

705. msm076. The Effects of Strain on the Microstructures, Deformation and Grain of Metal

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e52f16f5675b211b1eaaba>

704. msm075. Tool wear for metal surface roughness machining

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e52e15d248c650edc0bd7e>

703. msm074. Plasmonic resonance sensing based on absorbing and nanostructures

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e52ccbf5675b211b1eaa5f>

702. msm073. Capacity, power density and cycling stability of lithium battery

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e52ba0d248c650edc0bd08>

701. msm072. Microstructure and mechanical properties evolution in heat treatmen of precipitation

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e52a7ad248c650edc0bcab>

700. msm071. Nano-photocatalysis with metals

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e5286ab3729f0f61a1e8f6>

699. msm067B. Metal oxide semiconductor

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e5275eb3729f0f61a1e8a6>

698. msm067. Field effect transistor

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e44d7eb3729f0f61a1c882>

697. msm066. Adsorption capacity of metal materials

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e447e6f5675b211b1e8771>

696. msm065. Mechanical and tribological properties of metal matrix composite

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e44730d248c650edc09a01>

695. msm064. Metal halide perovskite materials

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e44672d248c650edc099d2>

694. msm063B. Review on recent advances in metals and alloys materials science -2

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e4459ed248c650edc09986>

693. msm063. Review on recent advances in metals and alloys materials science

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e43a01d248c650edc096f6>

692. msm062. Ion battery: electrolyte, cycling, density, capacity

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e437bdf5675b211b1e83fc>

691. msm061. Effect of temperature on microstructure, mechanical properties and precipitation behavior

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e4343cb3729f0f61a1c32f>

690. msm057. Temperature Magnetocaloric Effects and transitions

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e43367b3729f0f61a1c2ff>

689. msm056. Catalysts based on carbon and nanostructures for oxygen / hydrogen production from water

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e430c9f5675b211b1e8278>

688. msm055. Modeling in materials science of metals and alloys

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e42feaf5675b211b1e823f>

687. msm054. Carbon in anode/cathode of high performance batteries

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e42ce3b3729f0f61a1c146>

686. msm052. Metal Thermal Deformation Behavior, Microstructure, Texture Evolution and Recrystallization

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e42c1df5675b211b1e813b>

685. msm051B. Metals in light emitting diodes

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e42b2fb3729f0f61a1c0e4>

684. msm051. Quantum properties of metal perovskites emission

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e42238b3729f0f61a1beaa>

683. msm047. Conductive metal nanomaterials

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e42149d248c650edc090b2>

682. msm046. Challenges in metals and alloys

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e40920d248c650edc08c62>

681. msm045B. Spark Plasma Sintering of Metals

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e3f09ab3729f0f61a1b4ac>

680. msm045. Microstructure and mechanica properties of sintered metal matrix composites"

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e3eb52d248c650edc08669>

679. msm044. Surface Plasmon Resonance Sensors

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e3ea22f5675b211b1e73a5>

678. msm043. Metal for anode and cathode in high performance ion batteries

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e3e61ed248c650edc08552>

677. msm042. Ferromagnetic/paramagnetic/magnetic phase transition in metals

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e3e1aab3729f0f61a1b1d8>

676. msm041. Microstructure, Mechanical Properties, Precipitation of Alloys

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e3dd6bb3729f0f61a1b0f6>

675. msm037. Magnetocaloric effect in metals and alloys

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e3dc4bb3729f0f61a1b09d>

674. msm036. Wear resistant coatings

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e3d68dd248c650edc08263>

673. msm034. Surface plasmon resonance in metals

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e3d37af5675b211b1e6fa2>

672. msm031. Lithium battery anode and cathode

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e2f0a1d248c650edc06309>

671.msm027. Cracks modeling in metals

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e2efc6d248c650edc062d5>

670. msm026. Microstructures and Mechanical Properties of Welded Joints

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e2e930f5675b211b1e4e3a>

669. msm025. Effect of deformation and temperature on microstructure and mechanical properties of alloys

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e2e843d248c650edc060d1>

668. msm024. Mechanical characterization of metal-composite

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e2e75bd248c650edc060a5>

667. msm022. Metal based catalyst for hydrogen and oxygen evolution from water

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61def72ad248c650edbfab8a>

666. msm021. Metal implant and bone regeneration

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61def649f5675b211b1d97c6>

665. msm017. Metal based absorber for sensing

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61dee485b3729f0f61a0d207>

664. msm016. Corrosion-resistant metallic coatings

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61dee11cf5675b211b1d91d4>

663. msm015. Magnetic phase transition

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61ded4dbb3729f0f61a0ce61>

662. msm014. Metal surface roughness machining

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61ded3c5d248c650edbfa237>

661. msm013. Spinel ferrite

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61ded294b3729f0f61a0cdfb>

660. msm012. Strength of metal reinforced concrete

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61ded0fab3729f0f61a0cdab>

659. msm011. Strength, microstructure and tenacity of metal friction welding

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61decfe0f5675b211b1d8dda>

658. msm007. Microstructure and Mechanical Property Study of Metal Matrix Composite being Fabricated by Sintering

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61dece9bb3729f0f61a0cd1c>

657. msm006. Review of metals and alloys materials applications

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61dec526f5675b211b1d8b69>

656. msm005. Friction stir welding

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61dec45bd248c650edbf9ee8>

655. msm004. Metals electrochemical corrosion resistance

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61dec1c5b3729f0f61a0ca43>

654. msm003. Metals and film deposition

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61deb635f5675b211b1d885d>

653. msm002. Metals and nanostructures as catalysts in oxygen evolution from water

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61deb44fb3729f0f61a0c71e>

652. msm001. Metals for anode/cathode in batteries

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61deb345f5675b211b1d879a>

651. Alopecia areata

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61e2ae76f5675b211b1e4185>

650. Atomistic models

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61bce3ffb3729f0f619ae1b9>

649. Aerosol application

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61701e4fd248c650edac5d44>

648. Biomedical signals and artificial intelligence

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/616fbf28f5675b211b0a2e49>

647. Radiological protection

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/616eeb97d248c650edac28bc>

646. Mössbauer (moessbauer) spectroscopy

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/616e97e4d248c650edac1461>

645. Track membranes

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/616da503b3729f0f618d13d4>

644. Membranes for oil and water separation

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/616da46bf5675b211b09d43c>

643. Microturbines

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/616d0bbaf5675b211b09af41>

642. Flaw and structure electromagnetic detection

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/616be6f1d248c650edab90af>

641. Non invasive sensors

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/616be4c1f5675b211b097961>

640. Electromagnetic scattering

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483. Stretchable, wearable, flexible pressure and strain sensors based on carbon nanotubes

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482. Multi-walled carbon nanotubes and synthesis

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481. Catalyst for the hydrogen Evolution with carbon nanotubes

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480. Catalyst for the Oxygen Evolution with carbon nanotubes

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479. Heat transfer with carbon nanotube nanofluids

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478. Carbon nanotube growth

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477. Deposition growth of carbon nanotubes

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/61125269647f3906fc8f8210>

476. Graphene and graphene oxide based aerogels

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/611238ab2897145fbd67dd5d>

475. Voltammetry detection at carbon nanotube modified electrodes

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474. Carbon Nanotube Based Supercapacitors

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473. Carbon nanotube in cancer therapy

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472. Mechanical properties and fracture behavior of carbon nanotube reinforced composite

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471. Carbon nanotube reinforced composite

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470. Carbon nanotube field-effect transistor (CNTFET)

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469. Some living cells and carbon nanotubes

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468. Adsorption from Aqueous Solution and isotherm

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467. Detection based on carbon nanotubes solid-phase extraction

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466. Carbon nanotube strain sensor

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465. Density functional theory and adsorption on single-walled carbon nanotubes

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464. Vibration and buckling of a carbon nanotube

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463. Electrochemical Sensors Based on Carbon Nanotubes

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462. Graphene and carbon nanotubes

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461. Carbon Nanotube as Adsorbent: Isotherm and Kinetics

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460. Multi-walled carbon nanotubes and toxicity

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459. Mechanical and Conductive Properties of materials based on Carbon Nanotubes

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458. Development of multiwalled carbon nanotube

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457. Role of catalysts and temperature in reactions with hydrogen

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456. Hydrogen Evolution Electrocatalysts Based on Carbon Nanotube Support

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455. Thermal conductivity of carbon nanotube nanofluid

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454. Adsorption by carbon nanotubes: DFT study

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453. Field Emission of Carbon Nanotubes

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452. Carbon nanotube membranes for water purification

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451. Solid-phase extraction based on carbon nanotubes

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450. Electrochemical Sensor Based on Multi-walled Carbon Nanotube

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449. Microwave Absorption Properties of reduced graphene oxides composites

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448. Graphene based microwave absorbing composites

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447. Synthesis of carbon nanotubes

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446. Topological nanomaterials

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445. Greenhouse Cultivation

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444. Synergistic effects with nanostructures

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443. Low-dimensional smart materials

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442. Load model for power systems

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441. Sharing economy platforms

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440. Collaborative consumption

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438. Sharing economy

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437. Carbon chain

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436. Carbyne

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435. Nanodiamond

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434. Hemorrhoid

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433. Carbon nanofiber

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432. Removal of heavy metal ions from wastewater

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431. Green material

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430. Eco-friendly synthesis

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429. Green chemistry

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428. Green technology

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427. Nickel alloy in PHYSICS CONDENSED MATTER

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426. Titanium alloy in PHYSICS CONDENSED MATTER

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425. Thermal Deformation Treatment of nickel alloys

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423. Perovskite solar cell

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422. Thermal degradation

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421. Photodegradation

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420. Carbon nanomaterials coating

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419. Steel additive manufacturing products properties

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418. Titanum additive manufacturing products properties

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417. Metal additive manufacturing post processing

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416. Microgrid for Wind and Solar Power Integration

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415. Electric Drive with a Supercapacitor Energy Storage

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414. Infrared fiber

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413. Energy efficient house

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412. Flow Through Packed Beds

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411. Real-time systems for the electric drive

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410. Active Front End Drive

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409. Power system frequency control

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408. High frequency transformers

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407. Electronic transformers

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406. Energy industry

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405. Additive Manufacturing of Titanium Based Implants

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404. Corporate culture

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403. Augmented Reality

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402. Augmented Reality environments

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401. Object Recognition in Augmented Reality

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400. Augmented Reality rendering

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399. Augmenting reality in rehabilitation

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398. Human-Computer Interaction with Augmented Reality

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397. Indoor Navigation Using Augmented Reality

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396. Holographic augmented reality

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395. The Future of Augmented Reality

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394. Gestures for Augmented Reality

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393. Sensors for augmented reality

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392. Pose estimation for augmented reality

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391. Augmented reality systems for operators and operations support

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390. Industrial Augmented

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389. Mobile Based Augmented Reality 2

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388. Real-Time Camera Tracking with Augmented Reality

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387. Augmented Reality Technologies for Architecture and Construction (building information model)

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386. The Effect of Augmented Reality on Students' Learning

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385. Augmented Reality Games

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384. Scene processing and augmented reality

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383. Augmented reality in transport

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382. Future of Augmented Reality

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381. Pose tracking and augmented reality

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380. Augmented Reality in Therapy

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379. Spatial Augmented

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378. Image processing for an augmented reality

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377. Segmentation in augmented reality

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376. Mixed reality

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/609d08f23164270001daa3db>

375. Augmented reality for assembly works

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374. Augmented Reality for Training

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373. Mobile Augmented Reality

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372. Augmented reality in surgery

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371. Augmented Reality for Robotics

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370. Augmented reality in cultural heritage

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369. Augmented Reality and Head-Mounted Display

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368. Augmented reality for performing all kinds of operations in industry and medicine

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367. Augmented Reality in Shopping

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366. Augmented Reality in Education

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365. Augmented Reality Interfaces

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364. Haptics in augmented reality

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363. Augmented reality for vehicles

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362. Location Based Augmented Reality Navigation

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361. Augmented reality - general

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360. Oxidation resistance of lubricants

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359. Soliton lattice

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358. Cystitis

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357. Digital economy development and drivers

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356. Project based education in universities

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355. Open Online Courses

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354. Green Economy

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353. Sustainable development and education

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351. Reactions involving hydrogen and carbon or their products

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350. Channel proteins

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349. Observation of the massive stars

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348. Virus vaccine

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347. Variation, Selection and Human Evolution

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346. Earthquake and moment magnitude modeling

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345. Temperature effect on graphene film structure

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344. Learning, memory and cortex

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343. Receptors, membranes and proteins structures

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342. Earthquake Models

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341. Stem Cells and Development

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340. Plant resistance to the bacterial pathogen

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339. Ancient fossils and diversity

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338. Receptor kinase and tumor - 2

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336. Human evolutionary genetics

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335. The synaptic plasticity and memory

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334. Changing Climate

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333. Processes with kinase

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332. Crystal structure of proteins

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331. EVOLUTION OF GENETIC DIVERSITY

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/60476ed815dcac000159807e>

330. Computational Modeling of Biological Systems

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329. Microbiota and immunity

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328. RNA interference, chromatin and histones

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327. Embryonic stem cell differentiation

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326. Topological quantum transitions

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325. Human fossils and human evolution

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324. Memory: neural mechanisms

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323. Australopithecus africanus

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322. Structural and electrical properties of films <https://www.researchgate.net/project/Research-topic-map-analysis-review/update/60475e78c5a78f000151f0ca>

321. Membrane protein structures

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320. Signaling and cellular processes

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319. Regulation of chromatin by histone modifications

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318. The role of cortex in memory and behavior

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317. Carbon cycles, glaciers and climate

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316. DNA methylation

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315. Development, stem cells and transcription

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314. Biodiversity and ecosystems

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313. Quantum topological effects

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312. Antiviral Immunity and Vaccines

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311. Perovskite solar cell

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310. The role of cortex in learning and memory processes

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309. Elongation factors and their structure

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308. Immune response to pathogenic microbes and viruses

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307. Black hole and light emission

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306. Protein structure and RNA

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305. Quantum Control

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304. Transcription and mutation

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303. Signaling Pathways and Embryonic Stem Cells

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302. Adaptive Evolution in Ecological Communities

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301. Plastic waste management and the ecosystem pollution

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300. Antibodies and SARS-CoV-2 vaccines

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299. Magnetoimpedance effect for sensing

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298. Scintillators <https://www.researchgate.net/project/Research-topic-map-analysis-review/update/60365effaf00c40001268b65>

297. Ammonia leaching (copper)

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296. Arsenopyrite and pyrite oxidation

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295. Ecology and Life

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294. Lead sulfide films and optics

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293. Cathode for solid oxide fuel cell

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292. Succession and carrier planning

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291. Training and Development

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290. Talent management

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289. Strategies of deception, detection

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288. Intellectual capital

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287. Quality of life, economics category

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286. Quality of life and management (without healthcare)

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285. Social aspects and quality of life (without healthcare)

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282. Quality of life and social aspects

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281. Smart city and quality of life

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280. Magnetic field sensor

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279. Nanomaterials and shielding

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278. Electrochemical Aptasensor

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277. Measurements and load model

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276. Carbon and optoelectronics, microelectronics, nanoelectronics

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275. Electron transport in molecular junctions

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274. Reviews, challenges and advancements in carbon based nanoelectronics

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273. Carbon based conductive polymer nanocomposites

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272. Carbon nanotube circuits

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271. First-principles calculations of graphene nanoribbons: electronic properties

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270. Carbon based flexible fiber supercapacitors

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269. Carbon based electrodes for flexible high capacity or density energy storage

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268. Schottky Barrier Graphene transistor

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267. Optical carbon based absorption

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266. Growth of layer-structured graphene via chemical vapor deposition for electronics

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265. Nano-enhanced Electronics Thermal Management

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264. Nanotechnologies and nanomaterials in electronics

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263. Single-walled carbon nanotube electronics 2

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262. NTFET-based logic gates and logic circuits

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261. Fiber Composites Made of Low-Dimensional Carbon Materials

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260. Infrared and Raman spectral studies

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259. Electron / Hole Transport Layers

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258. For electronics: carbon films and chemical vapor deposition

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256. Nanowire assemblies for electronics

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255. Flexible pressure sensor for electronic skin

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254. Printed Electronics

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253. Fiber Flexible/Wearable Supercapacitors

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252. Electrically conductive and electromagnetic interference shielding of nanocomposites

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251. Advances in nanomaterials for electronics

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250. Nanowires for transparent flexible conductive electrodes

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249. Heat transfer in electronics

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248. Carbon nanomaterials toxicity

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247. Two dimensional monolayer material with special band for electronics and optoelectronics

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245. Electronic structure of nanosystems: Density Functional Theory

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244. Soluble reduced graphene oxide nanostructures

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243. Nanomaterials for electronics development

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242. Conductivity Polyvinylidene fluoride nanocomposite

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241. Carbon nanotubes in assemblies

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240. Electronics cooling

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239. Heat Sinks Used in Electronic Devices

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238. Electrochemical biosensors

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237. Formation of silicon carbide by the ion beam

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236. Sensors as Electronic Skin

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235. Strain Sensors as Electronic Skin

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234. Carbon Nanotube Field Effect Transistor

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233. Carbon based electrodes for flexible energy storage

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232. 2D MoS2-Graphene-based multilayer

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231. Toxicology of Graphene or Carbon Based Nanomaterials

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230. Electronic and Magnetic Properties of Graphene Nanoribbons

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229. Silver nanoparticle conductive inks

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228. Electron transport in carbon-based molecular electronic junctions

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227. Carbon nanotubes and graphene in solar cells photovoltaics

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226. Reduced graphene oxide for electronics

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225. Carbon and optoelectronics, microelectronics, nanoelectronics - general

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224. Inclusive Education

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223. Polarized proton collisions

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222. Recruitment

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221. Creativity and business

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220. Creativity and business / BUSINESS; MANAGEMENT; PSYCHOLOGY APPLIED

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219. Intelligent transportation - the super theme. The subtopics are lower.

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218. Video based intelligent transportation system

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217. Intelligent public transportation systems

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216. Internet of things distributed network and transportation

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215. Intelligent transportation and smart services

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214. Smart transportation

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213. Driving behaviour and accidents

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212. Transportation driving behavior

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211. Behavior: In Intelligent Transportation System

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210. Vehicular ad hoc network (VANET) communication protocols

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209. Vehicular ad hoc network (VANET) Protocols

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208. Vehicular ad hoc network (VANET) Routing Protocols

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207. Secure Communication in VANET

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206. Hybrid electric vehicles fuel economy

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205. Vehicle features recognition

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204. Medium access control in vehicular networks

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203. Vehicles network based on IEEE802.11

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202. Autonomous vehicle

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201. Navigation in intelligent transportation system

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200. Patch antenna

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199. Cloud computing in transportation

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198. Traffic signal control 2

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197. Optimization of transportation routing

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196. Traffic forecasting

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195. Traffic data collection and analysis in transportation

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194. Sensor networks for transportation

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193. Sensor networks for real-time transportation systems

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192. Traffic flow and speed model

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191. Information fusing for vehicle positioning technology

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/5fb3f712c4a9230001033a0b>

190. Wireless data collection for transportation

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189. Particle swarm optimization method for transportation - 2

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188. Particle swarm optimization method for transportation

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187. Vehicle detection based on image

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186. Antenna for vehicular communication

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185. Transportation with internet of things

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184. Vehicle detection based on neural network

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183. Traffic signal control

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182. A Neural Network Based Traffic-Flow Prediction

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181. Driver behavior, automated support and safety

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/5fb36b37c4a9230001031bdd>

180. Authentication security and privacy in vehicular ad hoc networks

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179. Vehicular ad hoc networks

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178. Traffic analysis

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177. Transportation Shortest Path

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176. Public Transport Route Choice

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175. Vehicles role in intelligent transportation

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174. Intelligent transportation system architecture - General

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173. Intelligent transportation - General

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172. International students

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171. Semantic scene understanding

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170. Education in computer science

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169. Building information modeling

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/5fa06821828e0b00015fffc0>

168. Industry 4.0 and society

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/5f97eb56e66b860001ab6b88>

167. Fourth Industrial Revolution or Industry 4.0

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/5f979c91828e0b00015e7a3a>

166. Soft Skills

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165. Vaccine

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164. Respiratory infection vaccine protection

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163. Vaccine antitumor effect

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162. Knowledge about human papillomavirus and HPV vaccine

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161. Vaccine based on B-cell epitope

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160. Human Papillomavirus (HPV) Vaccines acceptance among parents

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159. Vaccine clinical trial

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158. Inactivated vaccine

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157. Diphtheria-pertussis-tetanus vaccines

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156. Vaccines and global health <https://www.researchgate.net/project/Research-topic-map-analysis-review/update/5f9277cd828e0b00015da0cf>

155. Vaccine and Neutralizing Antibodies

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154. Vaccine and cellular immunity

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153. Vaccine delivery and adjuvants

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152. Safety and Immunogenicity of Pneumococcal Vaccines

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151. Vaccine developing for public health

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150. Neutralizing effect of the vaccine

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149. Vaccine for cancer immunotherapy in mice

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148. Vaccines for Respiratory Virus Infections

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147. Vaccines for public world health

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146. Influenza Vaccines in children

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145. Vaccine immunotherapy for cancer

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144. HIV/AIDS Vaccines

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143. Vaccine design

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142. Human papillomavirus (HPV) vaccine in healthcare

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141. Vaccine Development

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140. Vaccine adjuvants

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139. Vaccine for porcines

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138. Recombinant protein-based malaria vaccines

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137. Vaccine and epitopes and antigens

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136. Human Papillomavirus (HPV) Vaccines

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135. The effect of the pneumococcal conjugate vaccine on children

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134. Dendritic Cell Vaccines for Cancer Immunotherapy

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133. Vaccine safety and immunogenicity

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132. Protective immune effect of a recombinant virus vaccine

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131. Project Based Learning <https://www.researchgate.net/project/Research-topic-map-analysis-review/update/5f902ef07600090001efe12f>

130. University teachers digital competencies

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129. Electrooculography

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128. Text to speech

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127. Universities Third mission

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126. DIGITAL PUBLIC ADMINISTRATION

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125. Soot and carbon black and smoke black

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124. The effect of temperature and flame properties on properties of soot

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123. The effect of black carbon nanoparticles on human health and environment

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122. Carbon black fillers

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121. Soot formation modeling

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120. Black carbon aerosol light absorption and scattering

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119. Variation of black carbon aerosols air concentration

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118. Climate and atmospheric effects of black carbon aerosols

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117. Aerosol black carbon emissions into air

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116. Biomass burning as source of aerosols (soot, carbon black, smoke black)

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115. Aerosol soot particle size distribution

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114. Soot aerosols

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113. Carbon black for electrodes, anodes and cathodes

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112. Soot and polycyclic aromatic hydrocarbons

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111. Mechanical properties of the carbon-black-filled rubber

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110. Diesel engine soot emissions

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109. Soot and oxide catalyst

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108. Quantum computing.

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107. Quantum Computing and Computer Science

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106. Reversible Circuits (quantum computing)

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105. Ion Trap Quantum Computing

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104. Quantum Computing with Molecules

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103. Topological quantum computation based on Majorana fermions

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102. Gates, states, photons (quantum computing)

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101. Quantum algorithms for optimization problems solving (quantum computing)

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100. Quantum Gate Control (quantum computing)

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99. Measuring Quantum Entanglement (quantum computing)

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98. Optical quantum computing

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97. Circuits (quantum computing)

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96. Information security (quantum computing)

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95. Electronic spin for topological quantum computing

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94. Algebras in quantum computing

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93. Temperature in quantum computing

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92. Geometric quantum computing

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91. Quantum information (quantum computing)

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90. Security and cryptography (quantum computing)

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89. Reversible logic (quantum computing)

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88. Quantum entanglement (quantum computing)

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87. Algorithms (quantum computing)

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86. Entangled photons (quantum computing)

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85. Topological superconductivity (quantum computing) / Materials Science, Multidisciplinary; Physics, Applied; Physics, Condensed Matter

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84. States in quantum computing

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83. Quantum computers in general

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82. Digital university

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81. Latent dirichlet allocation

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80. Systems Engineering

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79. Quantum mind

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78. Condensed matter physics

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77. Magnetic and structural phase transition (condensed matter physics)

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76. Nanoparticles and tumors(condensed matter physics)

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75. Conductivity and temperature (condensed matter physics)

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74. First principle electronic properties study (condensed matter physics)

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73. Deposited films grow (condensed matter physics)

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72. Visible light driven photocatalytic activity of the surface (condensed matter physics)

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71. Composites properties (condensed matter physics)

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70. Flexible, Stretchable Electronics (condensed matter physics)

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69. Wave equations (condensed matter physics)

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68. Magnetic anisotropies and exchange bias (condensed matter physics)

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67. Electrical, dielectric, ferroelectric properties (condensed matter physics)

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66. Effect of deposition and annealing temperature on films properties (condensed matter physics)

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65. Flexible and stretchable sensing (condensed matter physics)

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64. Luminescence Driven Energy and Electron Transfer (condensed matter physics)

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63. Gas sensors (condensed matter physics)

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62. Nanoparticles in tumor treatment (condensed matter physics)

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61. Mechanical properties (condensed matter physics)

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60. Solution (condensed matter physics)

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/5f709d6c828e0b000157ca84>

59. Dielectric, structural and magnetic properties (condensed matter physics)

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58. Flexible and wearable electronics (condensed matter physics)

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57. Electrode, electrolyte, density in energy storages (condensed matter physics)

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56. Aqueous solutions (condensed matter physics)

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55. Hydrogen evolution (condensed matter physics)

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54. Influence of growth and annealing temperature on the properties of thin films (condensed matter physics)

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53. Ferromagnetic and antiferromagnetic phase transition (condensed matter physics)

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52. High electron mobility transistor (condensed matter physics)

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51. Microwaves absorption (condensed matter physics)

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50. Nanoparticles in tumor therapy (condensed matter physics)

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49. Optical, wave polarization (condensed matter physics)

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48. Quantum phase transition in condensed matter physics

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47. Photocatalytic degradation in condensed matter physics

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46. Electronic structure in condensed matter physics

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45. Electronic and structural properties in different phases in condensed matter physics

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44. High electron mobility transistors and field effect transistors in condensed matter physics

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43. Properties study with density functional theory in condensed matter physics

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42. Topological Hall Effect in condensed matter physics

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41. Semimetals in condensed matter physics

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40. Quantum topological phase in condensed matter physics

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39. Quantum symmetry in condensed matter physics

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38. Organic solar cells efficiency in condensed matter physics

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37. Transistor gate leakage in condensed matter physics

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36. Power conversion efficiency of organic solar cells in condensed matter physics

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35. Effect of strains on electronic properties in condensed matter physics

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34. Harmonic generation in condensed matter physics

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33. A few properties of energy storages in condensed matter physics

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32. Optical and wave properties in laser in condensed matter physics

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31. Surfaces of alloys in condensed matter physics

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30. Transistors in condensed matter physics

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29. Molecular dynamics of crystals in condensed matter physics

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28. Polarization and Lasers in condensed matter physics

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27. Impurity and luminescent effects in condensed matter physics

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26. Corrosion protective surface coatings in condensed matter physics

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25. Carbon based catalysts and electrocatalysts in condensed matter physics

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24. Synthesis and optical properties of nanostructured materials in condensed matter physics

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23. Energy storage in condensed matter physics

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22. Solar cells in condensed matter physics

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21. Smart power grid

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20. Catalytic hydrogen evolution reaction

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19. Quantum Computers - 2

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18. Quantum Computers - 1

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17. Quantum Hall effect and Hall states in the insulators

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16. Absorption with quantum dots and quantum wells

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15. Electron calculations based on density functional theory

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14. Quantum genetics
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13. US patents related to "Magnetoresistance" topic

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12. US patents related to "Zinc oxide" topic

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11. US patents related to "Power Electronics" topic

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/5ecb6df65b405800010158c6>

10. US patents related to "Reluctance Motor" topic

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/5eca42095b40580001012881>

9. US patents related to "Glaucoma" topic

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/5ec650d8ead4db000156fc37>

8. US patents related to "Chemical Sensing" topic

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/5ec503acead4db000156c378>

7. Cytokine storm

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/5ec0d3545b40580001ff96c0>

6. Optical Digital-to-Analog converters

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/5eae5b43c005cf000187e074>

5. Optical analog-to-digital converters

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/5eae2f304f9a520001e3f900>

4. Optoelectronic converter

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/5eaabad3c005cf00018744e9>

3. Coronavirus cytokine <https://www.researchgate.net/project/Research-topic-map-analysis-review/update/5ea8addb4f9a520001e307b1>

2. Virus entry
 <https://www.researchgate.net/project/Research-topic-map-analysis-review/update/5ea7eded4f9a520001e2dfc2>

1. Proteins of Betacoronaviruses

<https://www.researchgate.net/project/Research-topic-map-analysis-review/update/5ea7ee07f155db0001f80134>