



materials

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Affiliated Society:



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Editors (28)

Prof. Dr. Maryam Tabrizian Website SciProfiles

Editor-in-Chief

James McGill Professor, Professor of Biomedical Engineering, Professor of Bioengineering, Professor of Experimental Surgery, Department of Biomedical Engineering, Faculty of Medicine/Faculty of Dentistry, Duff Medical Science Building, 3775 University Street, Montreal, QC H3A 2B4, Canada

Interests: cell-biomaterial interactions; 3D self-assembly systems; therapeutic devices for gene/protein therapy and tissue engineering; nanostructured interface by surface molecular engineering; microfluidic platforms for biorecognition systems and Lab-on-a-chip devices; real-time monitoring of cellular activities; characterization of biomaterials debris in biological tissues; polymer synthesis and characterization

Special Issues and Collections in MDPI journals

Prof. Dr. Filippo Berto Website SciProfiles

Associate Editor-in-Chief

Department of Mechanical and Industrial Engineering, Norwegian University of Science and Technology, 7491 Trondheim, Norway

Interests: fatigue and fracture behavior of materials; mechanical characterization; structural integrity of conventional and innovative materials

Special Issues and Collections in MDPI journals

Prof. Dr. Guillermo Requena Website SciProfiles

Associate Editor-in-Chief

Department of Metallic Structures and Hybrid Materials Systems, Institute for Materials Research, German Aerospace Centre, Linder Höhe, 51147 Cologne, Germany

Interests: light alloys; metals for additive manufacturing; three-dimensional material characterization; synchrotron tomography; high energy synchrotron diffraction; aluminum alloys; titanium alloys; magnesium alloys; titanium aluminides; metal matrix composites; phase transformations; relationships microstructure-properties; thermo-mechanical behavior of metals

Special Issues and Collections in MDPI journals

Dr. Christof Schneider Website

Associate Editor-in-Chief

Thin Films and Interfaces Group, Research with Neutrons and Muons Division (NUM), Paul Scherrer Institut, CH-5232 Villigen, Switzerland

Interests: oxide materials for energy applications; thermoelectrics, ion conductors, battery materials; Pulsed Laser Deposition (PLD); multiferroics; interface physics of oxides with strong electronic correlations

Prof. Dr. Xiaoyan Li * Website1 Website2

Section Editor-in-Chief

Department of Engineering Mechanics, Tsinghua University, Beijing 100084, China

Interests: carbon materials; nanostructured materials; energy storage materials and mechanical metamaterials

* Section EIC of Mechanics of Materials

Special Issues and Collections in MDPI journals

Prof. Dr. Panagiotis G. Asteris * Website1 Website2 SciProfiles

Section Editor-in-Chief

Department of Civil Engineering, School of Pedagogical & Technological Education, Athens, Greece

Interests: sustainability and resilience, reinforced concrete structures; durability

* Section EIC of Materials Simulation and Design

Special Issues and Collections in MDPI journals

Dr. Francesco Baino * Website SciProfiles

Section Editor-in-Chief

Institute of Materials Physics and Engineering, Department of Applied Science and Technology, Politecnico di Torino, Corso Duca degli Abruzzi 24, 10129 Turin, Italy

Interests: bioactive glasses; bioceramics; composites; tissue engineering; multifunctional biomaterials; biomedical scaffolds; additive manufacturing; advanced ceramics

* Section EIC of Advanced and Functional Ceramics

Special Issues and Collections in MDPI journals

Prof. Dr. Stefano Bellucci * Website SciProfiles

Section Editor-in-Chief

INFN-Laboratori Nazionali di Frascati, 00044 Frascati, Italy

Interests: theoretical physics; condensed matter; biophysics; physical chemistry; nanoscience and nanotechnology; nanocarbon-based composites; biomedical applications

* Section EIC of Carbon Materials

Special Issues and Collections in MDPI journals

Prof. Dr. Teofil Jesionowski * Website SciProfiles

Section Editor-in-Chief

Institute of Chemical Technology and Engineering, Faculty of Chemical Technology, Poznan University of Technology, Berdychowo 4, PL-60965 Poznan, Poland

Interests: biopolymers; synthesis, characterization and applications of advanced functional materials; functional fillers and polymer composites; (bio)additives and eco-friendly fillers; biomimetic-inspired syntheses and extreme biomimetics; biocomposites and biomaterials; removal of wastewater pollutants via adsorption; photocatalysis or precipitation methods; pigment composites; enzyme immobilization; colloid chemistry and surface modification; hybrid systems; biosensors

* Section EIC of Materials Chemistry

Special Issues and Collections in MDPI journals

Prof. Dr. Seung Hwan Ko * Website SciProfiles

Section Editor-in-Chief

Mechanical Engineering, Seoul National University, Seoul, Korea

Interests: energy devices; wearable electronics; flexible electronics; stretchable electronics; soft robotics; sensors; actuators; electronics

* Section EIC of Smart Materials

Special Issues and Collections in MDPI journals

Prof. Dr. Eddie Koenders * Website SciProfiles

Section Editor-in-Chief

Institute of Construction and Building Materials, Technical University of Darmstadt, Darmstadt, Germany

Interests: multiscale modeling; modeling hydration and transport; sustainable binders; thermal energy storage; ultralight foams

* Section EIC of Construction and Building Materials

Special Issues and Collections in MDPI journals

Prof. Dr. Viassios Likodimos * Website SciProfiles

Section Editor-in-Chief

Section of Solid State Physics, Department of Physics, National and Kapodistrian University of Athens, Panepistimioupoli, 157 84 Athens, Greece

Interests: photocatalytic materials; nanostructured titanium dioxide; carbon nanomaterials; metal oxides

* Section EIC of Materials Physics

Special Issues and Collections in MDPI journals

Prof. Dr. Yong-Cheng Lin * Website SciProfiles

Section Editor-in-Chief

School of Mechanical and Electrical Engineering, Central South University, Changsha 410083, China

Interests: alloys; intelligent manufacturing processing; heat treatment; microstructure; deformation mechanisms; properties

* Section EIC of Metals and Alloys

Special Issues and Collections in MDPI journals

Prof. Dr. Rafael Luque * Website

Section Editor-in-Chief

Departamento de Química Orgánica, Universidad de Córdoba, Campus de Rabanales, Edificio Marie Curie (C-3), Ctra Ninal IVA, Km 396, Córdoba, Spain

Interests: green chemistry; biomass valorization; heterogeneous catalysis; nanomaterial design

* Section EIC of Porous Materials

Special Issues and Collections in MDPI journals

Prof. Dr. Sanjay Mathur * Website SciProfiles

Section Editor-in-Chief

Inorganic and Materials Chemistry, University of Cologne, Institute of Inorganic Chemistry, Greinstraße 6, D-50939 Cologne, Germany

Interests: molecular precursor libraries; precursor-derived materials; nanostructured materials; chemical vapor deposition; atomic layer deposition; sol-gel, nanofibers and nanowires; batteries; photovoltaics; solar hydrogen

* Section EIC of Manufacturing Processes and Systems

Special Issues and Collections in MDPI journals

Prof. Dr. Alessandro Pegoretti * Website SciProfiles

Section Editor-in-Chief

Department of Industrial Engineering, University of Trento, 38121 Trento, Italy

Interests: deformation, yield and fracture mechanics of polymers and composites; processing and characterization of multiphase polymeric materials (micro- and nanocomposites); durability of polymeric and composite materials; environmentally sustainable polymers and composites (biodegradable, from renewable resources, fully recyclable); polymers and composites with functional properties (electrical conductivity, shape memory, strain and damage monitoring, self-healing, etc.)

* Section EIC of Advanced Composites

Special Issues and Collections in MDPI journals

Prof. Dr. Andrei V. Petukhov * Website SciProfiles

Section Editor-in-Chief

1. van 't Hoff Laboratory for Physical & Colloid Chemistry, Debye Institute for Nanomaterials Science, Utrecht University, Utrecht, The Netherlands

2. Laboratory of Physical Chemistry, Eindhoven University of Technology, Eindhoven, The Netherlands

Interests: colloids and nanoparticles; self-organisation; colloidal crystals; colloidal liquid crystals; chiral colloids; active matter and dissipative assembly; advanced synchrotron scattering techniques; microscopy at the nanoscale

* Section EIC of Advanced Nanomaterials and Nanotechnology

Special Issues and Collections in MDPI journals

Prof. Dr. Nikolas J. Podraza * Website

Section Editor-in-Chief

Department of Physics and Astronomy & Wright Center for Photovoltaics Innovation and Commercialization, University of Toledo, Toledo, OH, USA

Interests: thin films; optical properties; spectroscopic ellipsometry; photovoltaics

* Section EIC of Thin Films and Interfaces

Special Issues and Collections in MDPI journals

Dr. Fabrizio Roccaforte * Website SciProfiles

Section Editor-in-Chief

CNR-IMM, Strada VIII, n. 5 - Zona Industriale, I-95121 Catania, Italy

Interests: wide band gap semiconductors (WBG); silicon carbide (SiC); gallium nitride (GaN); gallium oxide (Ga₂O₃); metal/semiconductor and metal/oxide/semiconductor interfaces; Schottky diode; JBS; MOSFET; HEMT; WBG device processing; power- and high-frequency electronics

* Section EIC of Electronic Materials

Special Issues and Collections in MDPI journals

Prof. Dr. Raman Singh * Website SciProfiles

Section Editor-in-Chief

Departments of Mechanical & Aerospace Engineering and Chemical Engineering, Monash University, Melbourne, VIC 3800, Australia

Interests: materials degradation, corrosion; degradation of polymer and composites

* Section EIC of Corrosion and Materials Degradation

Special Issues and Collections in MDPI journals

Prof. Dr. Jens-Uwe Sommer * Website SciProfiles

Section Editor-in-Chief

Leibniz-Institut für Polymerforschung Dresden e.V., Institute Theory of Polymers, Dresden, Germany

Interests: theoretical polymer and biopolymer physics; computer simulations in soft matter, statistical physics; polymers at interfaces; polymer networks; polymer solutions; polymer crystallization; polymers and nanoparticles

* Section EIC of Soft Matter

Special Issues and Collections in MDPI journals

Prof. Dr. Steven L. Suib * Website SciProfiles

Section Editor-in-Chief

Unit 3060, Department of Chemistry, University of Connecticut, 55 N. Eagleville Rd., Storrs, CT 06269-3060, USA

Interests: manganese oxides; catalysis; ceramics; nanotech; microwaves

* Section EIC of Catalytic Materials

Prof. Dr. Valery V. Tuchin * Website SciProfiles

Section Editor-in-Chief

Research-Educational Institute of Optics and Biophotonics, Saratov State University, 410012 Saratov, Russia

Interests: biological and medical physics; biophotonics; biomedical optics; laser spectroscopy and imaging in biomedicine; nonlinear dynamics of laser and optical systems; physics of optical and laser measurements; nanobiophotonics

* Section EIC of Optics and Photonics

Special Issues and Collections in MDPI journals

Prof. Dr. Pascal Van Der Voort * Website SciProfiles

Section Editor-in-Chief

Department of Chemistry, Center for Ordered Materials, Organometallics and Catalysis (COMOC), Faculty of Sciences, Ghent University, Krijgslaan 281 (S3), 9000 Ghent, Belgium

Interests: ordered mesostructures; metal organic frameworks (MOFs); periodic mesoporous organosilicas; covalent organic frameworks; adsorption; catalysis and catalytic materials

* Section EIC of Structure Analysis and Characterization

Special Issues and Collections in MDPI journals

Prof. Dr. Xuming Xie * Website

Section Editor-in-Chief

Department of Chemical Engineering, Tsinghua University, Beijing 100084, China

Interests: polymer hydrogels; polymer blends; nanomaterials and nanocomposites; plastics recycling and value-added reuse

* Section EIC of Polymeric Materials

Special Issues and Collections in MDPI journals

Prof. Dr. Shouke Yan * Website SciProfiles

Section Editor-in-Chief

1. School of Materials Science and Engineering, Beijing University of Chemical Technology, Beijing 100029, China

2. School of Polymer Science and Engineering, Qingdao University of Science and Technology, Qingdao 266042, China

Interests: multiscale structure of polymeric materials; orientation induced polymer crystallization; surface induced polymer crystallization; confined polymer crystallization; polymer blends

* Section EIC of Polymeric Materials

Special Issues and Collections in MDPI journals

Prof. Dr. Heesun Yang * Website SciProfiles

Section Editor-in-Chief

Department of Materials Science and Engineering, Hongik University, Seoul 04066, Korea

Interests: quantum dots; materials chemistry; photoluminescence, electroluminescence, light-emitting diode

* Section EIC of Quantum Materials

Special Issues and Collections in MDPI journals

Prof. Dr. Mutlu Özcan * Website SciProfiles

Section Editor-in-Chief

Division of Dental Biomaterials, Clinic of Reconstructive Dentistry, Center of Dental Medicine, University of Zurich, 2032 Zurich, Switzerland

Interests: dental biomaterials; fixed prosthodontics; reconstructive dentistry; adhesive dentistry; minimally invasive dentistry

* Section EIC of Biomaterials

Special Issues and Collections in MDPI journals

Advisory Board (1)

Prof. Dr. Aldo R. Boccacini * Website

Institute of Biomaterials, University of Erlangen-Nuremberg, 91058 Erlangen, Germany

Interests: biomaterials; bioactive glasses; composites; tissue engineering

* Former Editor-in-Chief of Section "Biomaterials" from 2013 until July 2021

Special Issues and Collections in MDPI journals

Special Issue in *Materials*: Tissue Engineering ScaffoldsSpecial Issue in *International Journal of Molecular Sciences*: Biodegradability of Materials in Biomedical Applications 2011Special Issue in *Materials*: Biodegradability of Materials in Biomedical Applications 2011Special Issue in *Coatings*: Electrophoretic DepositionSpecial Issue in *Materials*: Bioactive Glasses 2017Special Issue in *Materials*: Selected papers from EUROMAT 2017 Conference—BiomaterialsSpecial Issue in *Materials*: Advanced Glasses, Composites and Ceramic for High Growth Industries

Editorial Board Members (1/1426)

marsavina

Filter

Prof. Dr. Liviu Marsavina Website

Universitatea Politehnica din Timisoara, Timisoara, Romania

Interests: the application of fracture mechanics to engineering structures; fatigue life assessment; experimental fracture mechanics

Special Issues and Collections in MDPI journals

Special Issue in *Materials*: Advances in Metal FoamsSpecial Issue in *Materials*: New Advances in Characterization of Cellular Materials