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Radu-Emil Precup (M IEEE '03 - SM IEEE '07) was born in Lugoj, Romania, in 1963. He received the Dipl.Ing. (Hons.) degree in automation and computers from the "Traian Vuia" Polytechnic Institute of Timisoara, Timisoara, Romania, in 1987, the Diploma in mathematics from the West University of Timisoara, Timisoara, in 1993, and the Ph.D. degree in automatic systems from the "Politehnica" University of Timisoara, Timisoara, in 1996. From 1987 to 1991, he was with Infoservice S.A., Timisoara. He is currently with the Politehnica University of Timisoara, Romania, where he became a Professor in the Department of Automation and Applied Informatics, in 2000, and he is currently a Doctoral Supervisor of automation and systems engineering. He is also an Adjunct Professor within the School of Engineering, Edith Cowan University, Joondalup, WA, Australia, and an Honorary Professor and a Member of the Doctoral School of Applied Informatics with the Óbuda University (previously named Budapest Tech Polytechnical Institution), Budapest, Hungary. He is currently the Director of the Automatic Systems Engineering Research Centre with the Politehnica University of Timisoara, Romania. From 1999 to 2009, he held research and teaching positions with the Université de Savoie, Chambéry and Annecy, France, Budapest Tech Polytechnical Institution, Budapest, Hungary, Vienna University of Technology, Vienna, Austria, and Budapest University of Technology and Economics, Budapest, Hungary. He has been an Editor-in-Chief of the International Journal of Artificial Intelligence since 2008 and he is also on the editorial board of several other prestigious journals including IEEE Transactions on Fuzzy Systems, IEEE Transactions on Cybernetics, Information Sciences (Elsevier), Engineering Applications of Artificial Intelligence (Elsevier), Applied Soft Computing (Elsevier), Evolving Systems (Springer), Healthcare Analytics (Elsevier) and Cogent Engineering (Taylor & Francis). He is the author or coauthor of more than 300 papers published in various scientific journals, refereed conference proceedings, and contributions to books. His research interests include mainly development and analysis of new control structures and algorithms (conventional control, fuzzy control, data-based control, sliding mode control, neuro-fuzzy control, etc.), theory and applications of soft computing, computer-aided design of control systems, modelling, optimization (including nature-inspired algorithms), and applications to mechatronic systems (including automotive systems and mobile robots), embedded systems, control of power plants, servo systems, electrical driving systems. Prof. Precup is a corresponding member of The Romanian Academy, a member of the Subcommittee on Computational Intelligence as part of the Technical Committee (TC) on Control, Robotics and Mechatronics in the Institute of Electrical and Electronics Engineers (IEEE) Industrial Electronics Society, the Task Force on Autonomous Learning Systems within the Neural Networks TC of the IEEE Computational Intelligence Society, the TCs on Computational Cybernetics and Cyber-Medical Systems of the IEEE Systems, Man, and Cybernetics Society, the Task Force on Adaptive and Evolving Fuzzy Systems within the Fuzzy Systems Technical Committee of the IEEE Computational Intelligence Society, the International Federation of Automatic Control (IFAC) Technical Committee on Computational Intelligence in Control (previously named Cognition and Control), the Working Group WG 12.9 on Computational Intelligence of the Technical Committee TC12 on Artificial Intelligence of the International Federation for Information Processing (IFIP), the European Society for Fuzzy Logic and Technology (EUSFLAT), the Hungarian Fuzzy Association, and the Romanian Society of Control Engineering and Technical Informatics. He was the recipient of the Elsevier Scopus Award for Excellence in Global Contribution (2017), the "Tudor Tănăsescu" Prize from the Romanian Academy for data-driven controller tuning techniques (2020), the "Grigore Moisil" Prize from the Romanian Academy, two times, in 2005 and 2016, for his contribution on fuzzy control and the optimization of fuzzy systems, the Spiru Haret Award from the National Grand Lodge of Romania in partnership with the Romanian Academy in 2016 for education, environment and IT, the Excellency Diploma of the International Conference on Automation, Quality & Testing, Robotics AQTR 2004 (THETA 14, Cluj-Napoca, Romania), two Best Paper Awards in the Intelligent Control Area of the 2008 Conference on Human System Interaction HSI 2008, Krakow (Poland), the Best Paper Award of 16th Online World Conference on Soft Computing in Industrial Applications WSC16 (Loughborough University, UK) in 2011, the Certificate of Appreciation for the Best Paper in the Session TT07 1 Control Theory of 39th Annual Conference of the IEEE Industrial Electronics Society IECON 2013 (Vienna, Austria), a Best Paper Nomination at 12th International Conference on Informatics in Control, Automation and Robotics ICINCO 2015 (Colmar, France), a Best Paper Award at 7th International Conference on Information Technology and Quantitative Management ITQM 2019 (Granada, Spain), a Best Paper Award at 8th International Conference on Information Technology and Quantitative Management ITQM 2020 & 2021 (Chengu, China), and was listed as one of the top 10 researchers in Artificial Intelligence and Automation (according to IIoT World as of July 2017).



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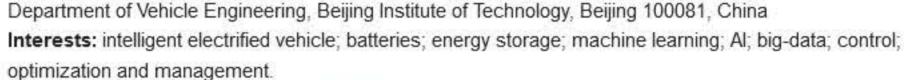
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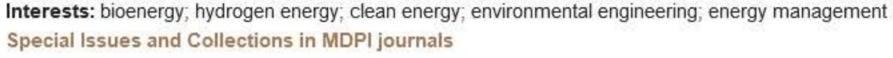
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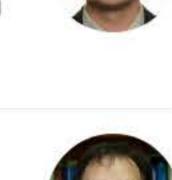








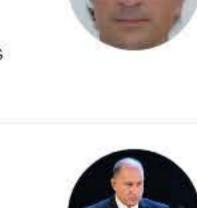


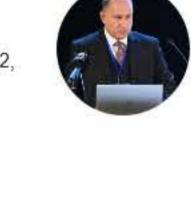




































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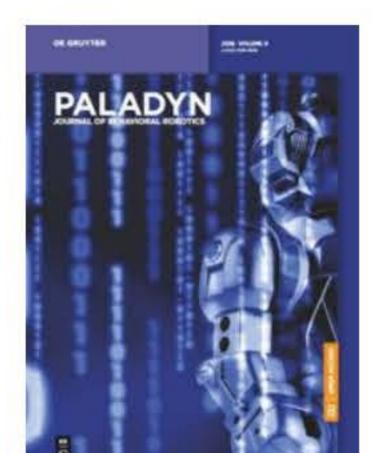
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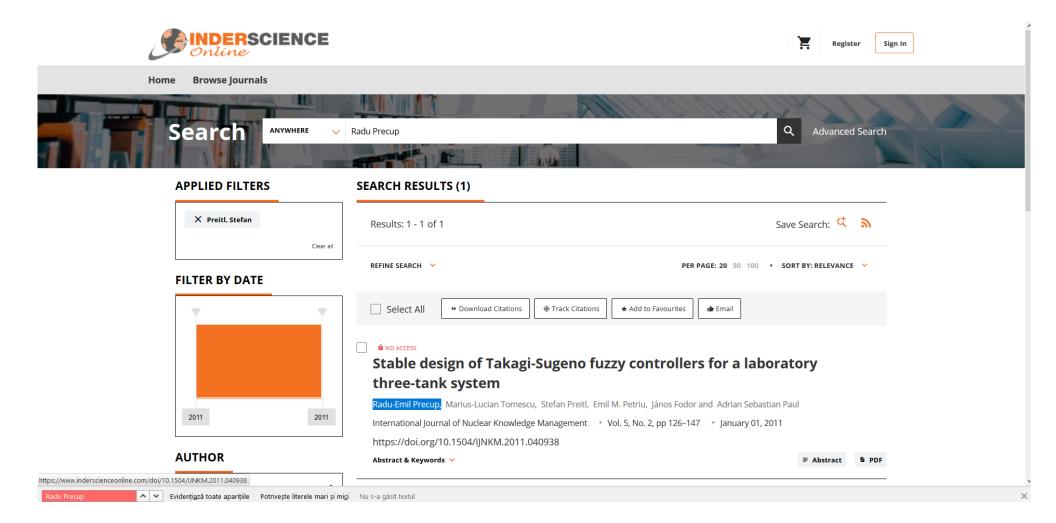
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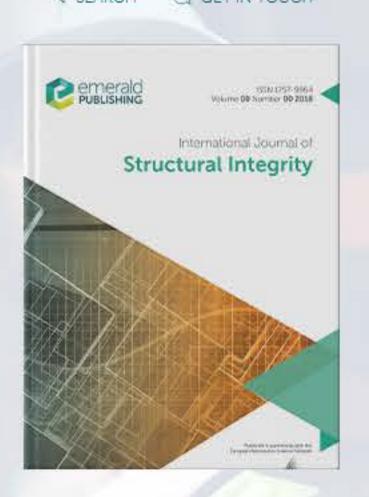
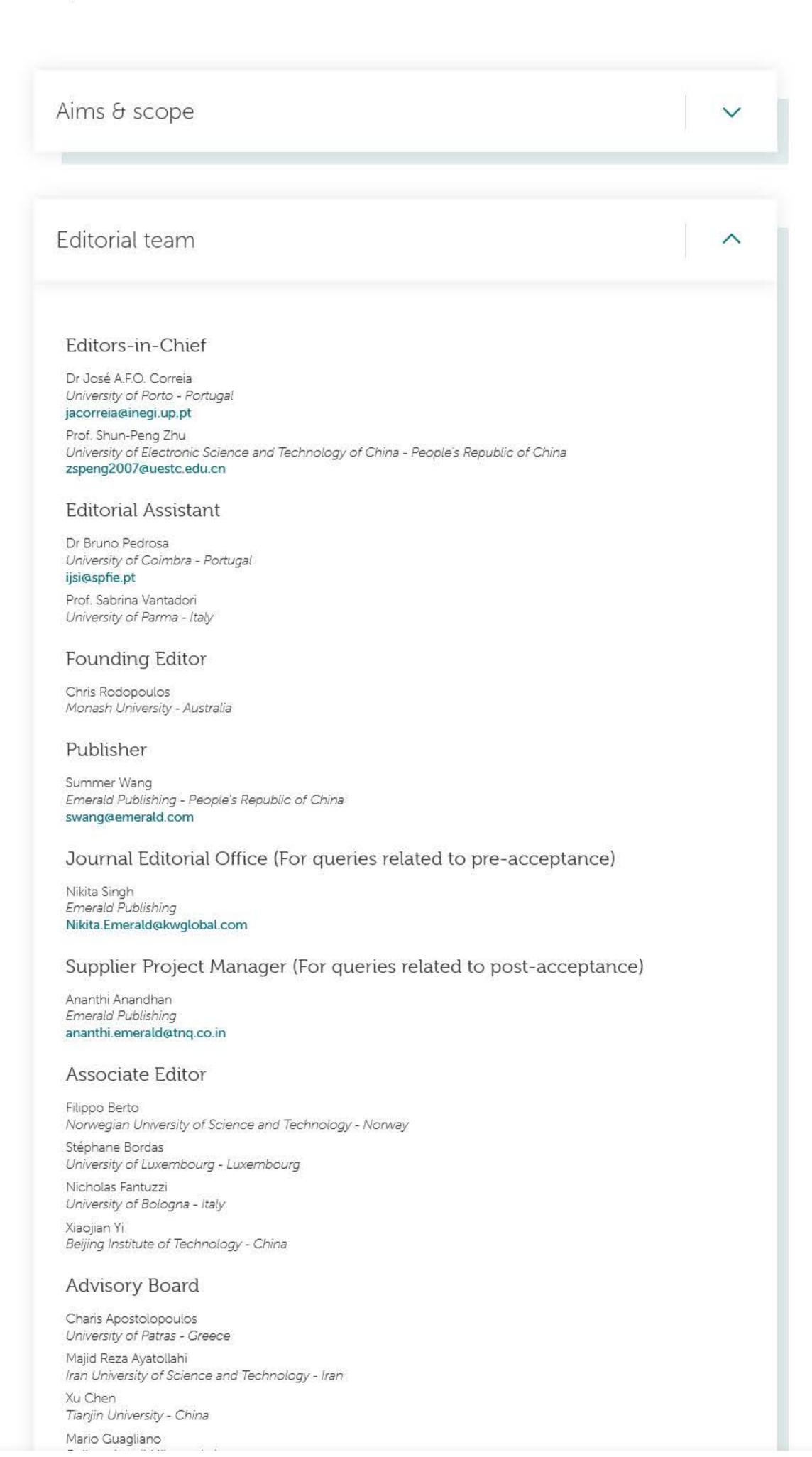


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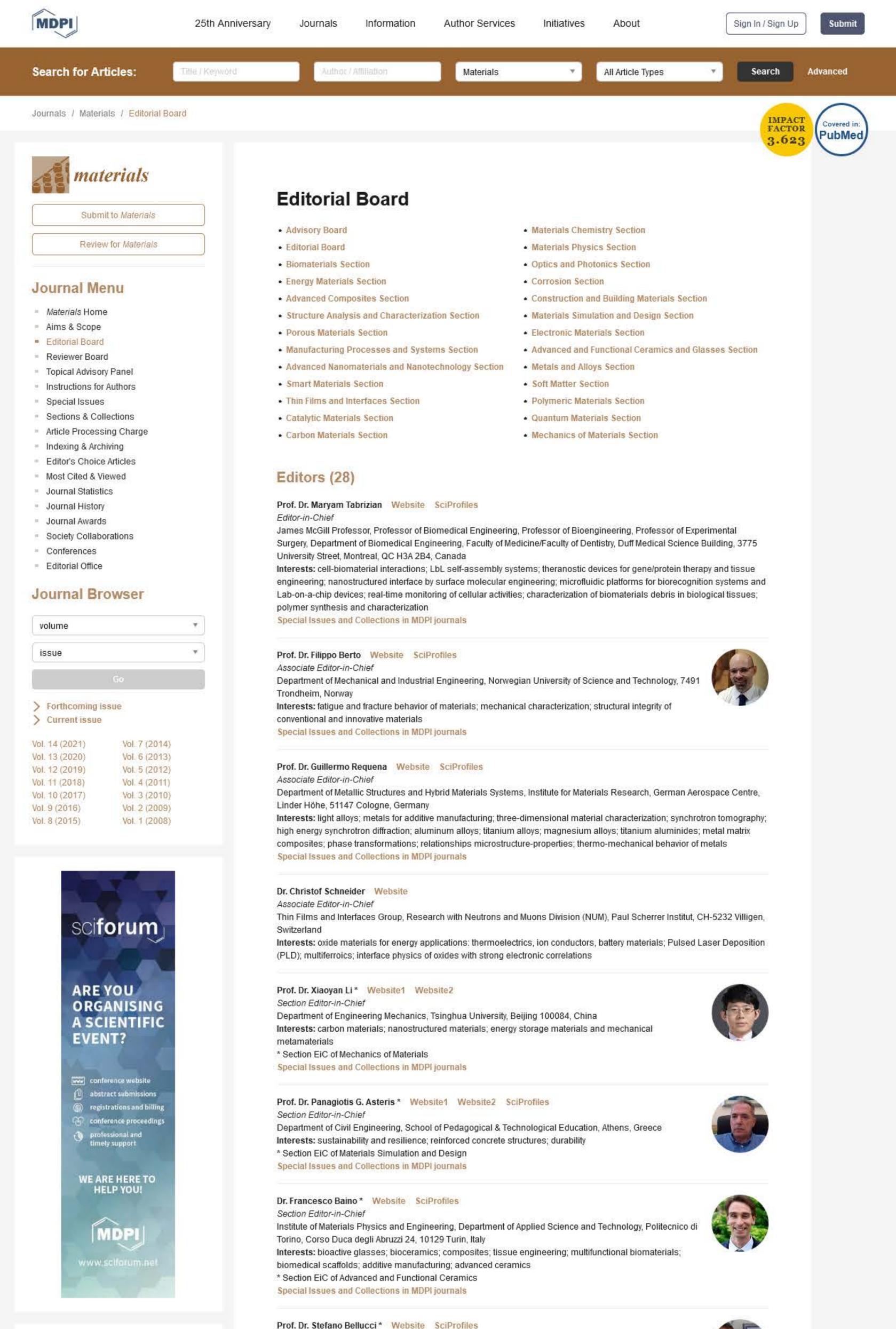
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Interests: the application of fracture mechanics to engineering structures; fatigue life assessment; experimental fracture

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nanotechnology; nanocarbon-based composites; biomedical applications

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Institute of Chemical Technology and Engineering, Faculty of Chemical Technology, Poznan University of

Interests: biopolymers; synthesis, characterization and applications of advanced functional materials;

functional fillers and polymer composites; (bio)additives and eco-friendly fillers; biomineralization-inspired syntheses and extreme biomimetics; biocomposites and biomaterials; removal of wastewater pollutants via adsorption; photocatalysis or precipitation methods; pigment composites; enzyme immobilization; colloid

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

Institute of Construction and Building Materials, Technical University of Darmstadt, Darmstadt, Germany Interests: multiscale modeling; modeling hydration and transport; sustainable binders; thermal energy

Section of Solid State Physics, Department of Physics, National and Kapodistrian University of Athens,

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

School of Mechanical and Electrical Engineering, Central South University, Changsha 410083, China Interests: alloys; intelligent manufacturing processing; heat treatment; microstructure; deformation

Departamento de Química Orgánica, Universidad de Córdoba, Campus de Rabanales, Edificio Marie Curie

Inorganic and Materials Chemistry, University of Cologne, Institute of Inorganic Chemistry, Greinstraße 6,

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

Interests: deformation, yield and fracture mechanics of polymers and composites; processing and characterization of multiphase polymeric materials (micro- and nanocomposites, blends); durability of

polymeric and composite materials; environmentally sustainable polymers and composites (biodegradable, from renewable resources, fully recyclable); polymers and composites with functional properties (electrical

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colloids; active matter and dissipative assembly; advanced synchrotron scattering techniques; microscopy at

Department of Physics and Astronomy & Wright Center for Photovoltaics Innovation and Commercialization,

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;

Departments of Mechanical & Aerospace Engineering and Chemical Engineering, Monash University,

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

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

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

Department of Chemistry, Center for Ordered Materials, Organometallics and Catalysis (COMOC), Faculty of

Interests: ordered mesostructures; metal organic frameworks (MOFs); periodic mesoporous organosilicas;

Interests: polymer hydrogels; polymer blends; nanomaterials and nanocomposites; plastics recycling and

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

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

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

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

Division of Dental Biomaterials, Clinic of Reconstructive Dentistry, Center of Dental Medicine, University of

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

Special Issue in International Journal of Molecular Sciences: Biodegradability of Materials in Biomedical

in biomedicine; nonlinear dynamics of laser and optical systems; physics of optical and laser

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

 Laboratory of Physical Chemistry, Eindhoven University of Technology, Eindhoven, The Netherlands Interests: colloids and nanoparticles; self-organisation; colloidal crystals; colloidal liquid crystals; chiral

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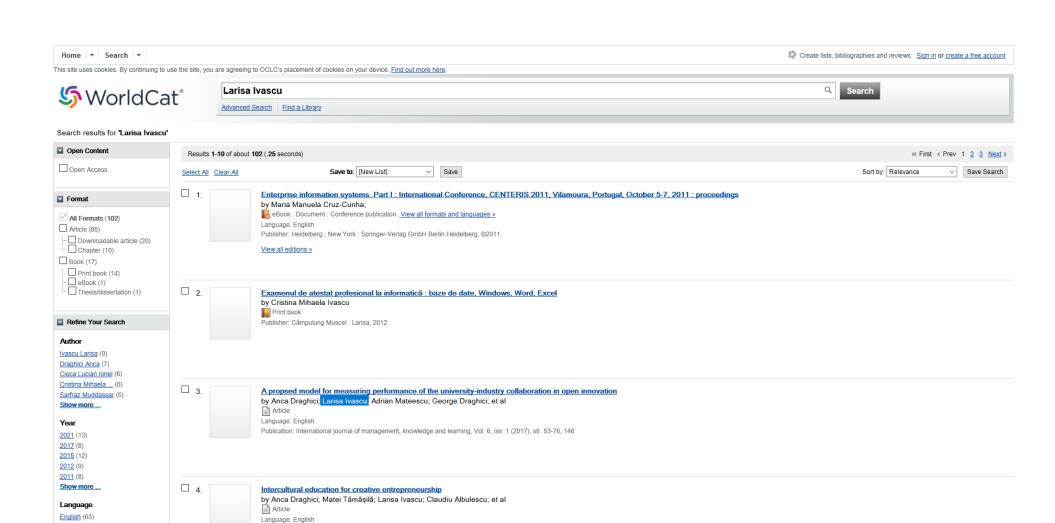
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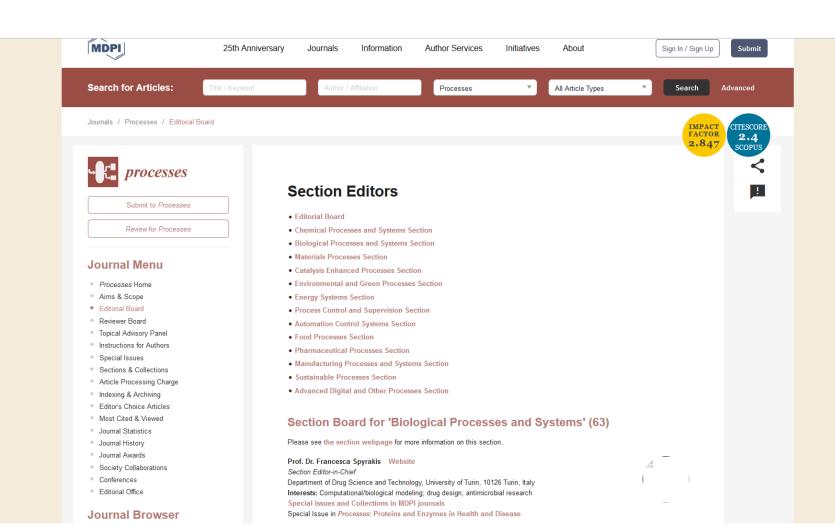
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