Marius Enachescu

List of Publications by Year
in descending order

47 papers	611 citations	687220 13 h-index	677027 22 g-index
47 all docs	47 docs citations	47 times ranked	791 citing authors

#	Article	IF	Citations
1	Swelling-Based Chemical Sensing With Unmodified Optical Fibers. Photonic Sensors, 2022, 12, 99-104.	2.5	2
2	The Water-Based Synthesis of Platinum Nanoparticles Using KrF Excimer Laser Ablation. Nanomaterials, 2022, 12, 348.	1.9	10
3	Characterization of Carbon Nanomaterials Dispersions: Can Metal Decoration of MWCNTs Improve Their Physicochemical Properties?. Nanomaterials, 2022, 12, 99.	1.9	8
4	Interaction of Mg Alloy with PLA Electrospun Nanofibers Coating in Understanding Changes of Corrosion, Wettability, and pH. Nanomaterials, 2022, 12, 1369.	1.9	9
5	Synthesis and Characterization of Ti-Ta-Shape Memory Surface Alloys Formed by the Electron-Beam Additive Technique. Coatings, 2022, 12, 678.	1.2	6
6	Liquid Flow Meter by Fiber-Optic Sensing of Heat Propagation. Sensors, 2021, 21, 355.	2.1	15
7	Swelling-Based Distributed Chemical Sensing with Standard Acrylate Coated Optical Fibers. Sensors, 2021, 21, 718.	2.1	3
8	Assessing the Functional Properties of TiZr Nanotubular Structures for Biomedical Applications, through Nano-Scratch Tests and Adhesion Force Maps. Molecules, 2021, 26, 900.	1.7	7
9	Joining Caffeic Acid and Hydrothermal Treatment to Produce Environmentally Benign Highly Reduced Graphene Oxide. Nanomaterials, 2021, 11, 732.	1.9	5
10	Pulsed Laser Deposition of SWCNTs on Carbon Fibres: Effect of Deposition Temperature. Polymers, 2021, 13, 1138.	2.0	3
11	Fabrication of Optical Fibers with Multiple Coatings for Swelling-Based Chemical Sensing. Micromachines, 2021, 12, 941.	1.4	2
12	Simulations of the Ultra-Fast Kinetics in Ni-Si-C Ternary Systems under Laser Irradiation. Materials, 2021, 14, 4769.	1.3	6
13	Preliminary Study on Light-Activated Antimicrobial Agents as Photocatalytic Method for Protection of Surfaces with Increased Risk of Infections. Materials, 2021, 14, 5307.	1.3	4
14	Polyazulene-Based Materials for Heavy Metal Ion Detection. 3. (E)-5-((6-t-Butyl-4,8-dimethylazulen-1-yl)) Tj ETQq0 0 0 rgBT /Overlock 10	1.1	3
15	Characterization and electrochemical studies of MWCNTs decorated with Ag nanoparticles through pulse reversed current electrodeposition using a deep eutectic solvent for energy storage applications. Journal of Materials Research and Technology, 2021, 15, 342-359.	2.6	20
16	Electrodeposition of ternary Sn-Cu-Ni alloys as lead-free solders using deep eutectic solvents. Electrochimica Acta, 2021, 398, 139339.	2.6	12
17	High-Order Polynomial Fitting Assistance for Fast Double-Peak Finding in Brillouin-Distributed Sensing. Sensors, 2021, 21, 187.	2.1	1
18	Surface Topography of Si/TiO2 Stacked Layers on Silicon Substrate Deposited by KrF Excimer Laser Ablation. Coatings, 2021, 11, 1350.	1.2	1

#	Article	IF	Citations
19	Surface Characterization of New Azulene-Based CMEs for Sensing. Symmetry, 2021, 13, 2292.	1.1	3
20	Understanding surface and interface properties of modified Ti50Zr with nanotubes. Applied Surface Science, 2020, 506, 144661.	3.1	9
21	Polyazulene-Based Materials for Heavy Metal Ion Detection. 2. (E)-5-(azulen-1-yldiazenyl)-1H-Tetrazole-Modified Electrodes for Heavy Metal Sensing. Coatings, 2020, 10, 869.	1.2	6
22	Nanomechanical properties of zirconium anodized in a mixture of electrolytes with fluoride ions. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 112, 104084.	1.5	7
23	Reduced Graphene Oxide Decorated with Dispersed Gold Nanoparticles: Preparation, Characterization and Electrochemical Evaluation for Oxygen Reduction Reaction. Energies, 2020, 13, 4307.	1.6	16
24	Electrodeposition of NiSn-rGO Composite Coatings from Deep Eutectic Solvents and Their Physicochemical Characterization. Metals, 2020, 10, 1455.	1.0	14
25	Band tail state related photoluminescence and photoresponse of ZnMgO solid solution nanostructured films. Beilstein Journal of Nanotechnology, 2020, 11, 899-910.	1.5	5
26	Electrochemical Non-Enzymatic Detection of Glucose Based on 3D Electroformed Copper on Ni Foam Nanostructures. Materials, 2020, 13, 2752.	1.3	6
27	Editorial: Nanotechnologies in Neuroscience and Neuroengineering. Frontiers in Neuroscience, 2020, 14, 33.	1.4	11
28	Eighteen Months Follow-Up with Patient-Centered Outcomes Assessment of Complete Dentures Manufactured Using a Hybrid Nanocomposite and Additive CAD/CAM Protocol. Journal of Clinical Medicine, 2020, 9, 324.	1.0	40
29	The "first and euRopEAn siC eighT Inches pilOt liNe": a project, called REACTION, that will boost key SiC Technologies upgrading (developments) in Europe, unleashing Applications in the Automotive Power Electronics Sector. , 2020, , .		14
30	Mass Flow Monitoring by Distributed Fiber Optical Temperature Sensing. Sensors, 2019, 19, 4151.	2.1	4
31	Post treatments effect on TiZr nanostructures fabricated via anodizing. Journal of Materials Research and Technology, 2019, 8, 5802-5812.	2.6	9
32	Eco-friendly preparation of electrically conductive chitosan - reduced graphene oxide flexible bionanocomposites for food packaging and biological applications. Composites Science and Technology, 2019, 173, 53-60.	3.8	90
33	Eco-Friendly Push-Coated Polymer Solar Cells with No Active Material Wastes Yield Power Conversion Efficiencies over 5.5%. ACS Applied Materials & Interfaces, 2019, 11, 10785-10793.	4.0	8
34	Electrodeposition of Sn and Sn Composites with Carbon Materials Using Choline Chloride-Based Ionic Liquids. Coatings, 2019, 9, 798.	1.2	7
35	Comparative Study of Ni-Sn Alloys Electrodeposited from Choline Chloride-Based Ionic Liquids in Direct and Pulsed Current. Coatings, 2019, 9, 801.	1.2	11
36	Nanopores and nanotubes ceramic oxides elaborated on titanium alloy with zirconium by changing anodization potentials. Ceramics International, 2018, 44, 7026-7033.	2.3	21

#	Article	IF	Citations
37	Azulene-ethylenediaminetetraacetic acid: A versatile molecule for colorimetric and electrochemical sensors for metal ions. Electrochimica Acta, 2018, 263, 382-390.	2.6	22
38	New sensor based on membranes with magnetic nano-inclusions for early diagnosis in periodontal disease. Biosensors and Bioelectronics, 2018, 102, 336-344.	5.3	17
39	Collagen-Polyvinyl Alcohol-Indomethacin Biohybrid Matrices as Wound Dressings. Pharmaceutics, 2018, 10, 224.	2.0	25
40	Niâ€“Mo alloy nanostructures as cathodic materials for hydrogen evolution reaction during seawater electrolysis. Chemical Papers, 2018, 72, 1889-1903.	1.0	32
41	Structural Investigations on Poly(methyl methacrylate) Various Composites Used for Stereolithographyc Complete Dentures. Materiale Plastice, 2018, 55, 616-619.	0.4	3
42	AFM and SEM Characterization of Chemically Modified Electrodes Based on 5-[(azulen-1-yl) methylene]-2-thioxothiazolidin-4-one. Revista De Chimie (discontinued), 2018, 68, 2799-2803.	0.2	5
43	Hydrogen Chemical Configuration and Thermal Stability in Tungsten Disulfide Nanoparticles Exposed to Hydrogen Plasma. Journal of Physical Chemistry C, 2017, 121, 11747-11756.	1.5	6
44	Electrodeposition of Co and Co composites with carbon nanotubes using choline chloride-based ionic liquids. Surface and Coatings Technology, 2017, 324, 451-462.	2.2	22
45	Low cost iodine doped graphene for fuel cell electrodes. International Journal of Hydrogen Energy, 2017, 42, 26877-26888.	3.8	31
46	Krypton Gas for High Quality Single Wall Carbon Nanotubes Synthesis by KrF Excimer Laser Ablation. Journal of Nanomaterials, 2015, 2015, 1-7.	1.5	3
47	VCAM-1 directed target-sensitive liposomes carrying CCR2 antagonists bind to activated endothelium and reduce adhesion and transmigration of monocytes. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 89, 18-29.	2.0	47