

Jakub Karczewski

List of Publications by Citations

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150
papers

1,557
citations

19
h-index

29
g-index

169
ext. papers

1,989
ext. citations

4.3
avg, IF

5.1
L-index

#	Paper	IF	Citations
150	Enhanced photoelectrochemical and photocatalytic performance of iodine-doped titania nanotube arrays. <i>RSC Advances</i> , 2015 , 5, 50379-50391	3.7	59
149	Electrical and structural properties of Nb-doped SrTiO ₃ ceramics. <i>Journal of Electroceramics</i> , 2010 , 24, 326-330	1.5	56
148	Boron-Enhanced Growth of Micron-Scale Carbon-Based Nanowalls: A Route toward High Rates of Electrochemical Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 12982-12992	9.5	54
147	Visible light activity of pulsed layer deposited BiVO ₄ /MnO ₂ films decorated with gold nanoparticles: The evidence for hydroxyl radicals formation. <i>Applied Surface Science</i> , 2016 , 385, 199-208	6.7	53
146	Status report on high temperature fuel cells in Poland [Recent advances and achievements. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 4366-4403	6.7	46
145	Facile preparation of extremely photoactive boron-doped TiO ₂ nanotubes arrays. <i>Electrochemistry Communications</i> , 2015 , 60, 212-215	5.1	40
144	Nitrogen dioxide sensing properties of PEDOT polymer films. <i>Sensors and Actuators B: Chemical</i> , 2017 , 247, 108-113	8.5	36
143	Thin layer of ordered boron-doped TiO ₂ nanotubes fabricated in a novel type of electrolyte and characterized by remarkably improved photoactivity. <i>Applied Surface Science</i> , 2015 , 357, 942-950	6.7	36
142	Novel Functionalization of Boron-Doped Diamond by Microwave Pulsed-Plasma Polymerized Allylamine Film. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 8014-8025	3.8	35
141	Influence of electropolymerization conditions on the morphological and electrical properties of PEDOT film. <i>Electrochimica Acta</i> , 2015 , 176, 156-161	6.7	34
140	Optical Monitoring of Electrochemical Processes With ITO-Based Lossy-Mode Resonance Optical Fiber Sensor Applied as an Electrode. <i>Journal of Lightwave Technology</i> , 2018 , 36, 954-960	4	33
139	Fetal membranes as a source of stem cells. <i>Advances in Medical Sciences</i> , 2013 , 58, 185-95	2.8	31
138	Highly stable organic/inorganic junction composed of hydrogenated titania nanotubes infiltrated by a conducting polymer. <i>RSC Advances</i> , 2016 , 6, 33101-33110	3.7	28
137	Non-enzymatic flexible glucose sensing platform based on nanostructured TiO ₂ /Au composite. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 837, 230-239	4.1	26
136	The influence of ammonia and selected amines on the characteristics of calcium carbonate precipitated from calcium chloride solutions via carbonation. <i>Materials Chemistry and Physics</i> , 2017 , 193, 13-18	4.4	25
135	Thickness and structure change of titanium(IV) oxide thin films synthesized by the sol-gel spin coating method. <i>Optical Materials</i> , 2014 , 36, 1739-1744	3.3	22
134	Solid oxide fuel cells with Ni-infiltrated perovskite anode. <i>Solid State Ionics</i> , 2012 , 221, 11-14	3.3	22

133	Controlling the size and morphology of precipitated calcite particles by the selection of solvent composition. <i>Journal of Crystal Growth</i> , 2017 , 478, 102-110	1.6	20
132	THE ROLE OF THIN FUNCTIONAL LAYERS IN SOLID OXIDE FUEL CELLS. <i>Electrochimica Acta</i> , 2016 , 204, 136-145	6.7	20
131	Effect of some organic solvent/water mixtures composition on precipitated calcium carbonate in carbonation process. <i>Journal of Crystal Growth</i> , 2015 , 418, 25-31	1.6	19
130	Ordered titanium templates functionalized by gold films for biosensing applications - Towards non-enzymatic glucose detection. <i>Talanta</i> , 2017 , 166, 207-214	6.2	18
129	Scalable Route toward Superior Photoresponse of UV-Laser-Treated TiO Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 3225-3235	9.5	18
128	Electrochemical glucose sensor based on the glucose oxidase entrapped in chitosan immobilized onto laser-processed Au-Ti electrode. <i>Sensors and Actuators B: Chemical</i> , 2021 , 330, 129409	8.5	18
127	MnxCo3-xO4 spinel oxides as efficient oxygen evolution reaction catalysts in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 14867-14879	6.7	17
126	Urologic de novo malignancies after kidney transplantation: a single center experience. <i>Transplantation Proceedings</i> , 2012 , 44, 1293-7	1.1	17
125	La 0.6 Sr 0.4 Co 0.2 Fe 0.8 O 3- δ oxygen electrodes for solid oxide cells prepared by polymer precursor and nitrates solution infiltration into gadolinium doped ceria backbone. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 3559-3564	6	16
124	Investigation of thin perovskite layers between cathode and doped ceria used as buffer layer in solid oxide fuel cells. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 1807-1815	2.6	16
123	Semi-transparent ordered TiO2 nanostructures prepared by anodization of titanium thin films deposited onto the FTO substrate. <i>Applied Surface Science</i> , 2016 , 381, 36-41	6.7	16
122	CGO as a barrier layer between LSCF electrodes and YSZ electrolyte fabricated by spray pyrolysis for solid oxide fuel cells. <i>Solid State Ionics</i> , 2017 , 302, 113-117	3.3	16
121	Microstructure and electrical properties of manganese borosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2015 , 423-424, 68-75	3.9	16
120	Nanostructuring of thin Au films deposited on ordered Ti templates for applications in SERS. <i>Applied Surface Science</i> , 2017 , 418, 472-480	6.7	15
119	The influence of nanostructure size on V2O5 electrochemical properties as cathode materials for lithium ion batteries. <i>RSC Advances</i> , 2016 , 6, 55689-55697	3.7	15
118	Structure and Thermoelectric Properties of Te-Ag-Ge-Sb (TAGS) Materials Obtained by Reduction of Melted Oxide Substrates. <i>Journal of Electronic Materials</i> , 2016 , 45, 1085-1093	1.9	15
117	Characterization of structural, thermal and mechanical properties of bismuth silicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2016 , 439, 51-56	3.9	15
116	Structure and thermoelectric properties of BiTe alloys obtained by novel method of oxide substrates reduction. <i>Journal of Alloys and Compounds</i> , 2015 , 646, 1124-1132	5.7	14

115	The Influence of Calcium Glycerophosphate (GPCa) Modifier on Physicochemical, Mechanical, and Biological Performance of Polyurethanes Applicable as Biomaterials for Bone Tissue Scaffolds Fabrication. <i>Polymers</i> , 2017 , 9,	4.5	14
114	Chromatographic and Spectroscopic Identification and Recognition of Natural Dyes, Uncommon Dyestuff Components, and Mordants: Case Study of a 16th Century Carpet with Chintamani Motifs. <i>Molecules</i> , 2018 , 23,	4.8	14
113	Investigation of functional layers of solid oxide fuel cell anodes for synthetic biogas reforming. <i>Solid State Ionics</i> , 2013 , 251, 70-77	3.3	14
112	Properties of ordered titanium templates covered with Au thin films for SERS applications. <i>Applied Surface Science</i> , 2016 , 388, 716-722	6.7	14
111	Donor-substituted SrTi _{1-x} O ₃ Δ anodes for SOFC. <i>Solid State Ionics</i> , 2012 , 225, 118-123	3.3	13
110	The comparison of SrTi _{0.98} Nb _{0.02} O ₃ ΔCeO ₂ and SrTi _{0.98} Nb _{0.02} O ₃ ΔYSZ composites for use in SOFC anodes. <i>Journal of Electroceramics</i> , 2012 , 28, 132-138	1.5	13
109	Electrical properties of Y _{0.08} Sr _{0.92} Ti _{0.92} Nb _{0.08} O ₃ Δ after reduction in different reducing conditions. <i>Journal of Alloys and Compounds</i> , 2009 , 473, 496-499	5.7	13
108	Electrochemical properties of porous Sr _{0.86} Ti _{0.65} Fe _{0.35} O ₃ oxygen electrodes in solid oxide cells: Impedance study of symmetrical electrodes. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 1827-1838	6.7	13
107	The geometry of free-standing titania nanotubes as a critical factor controlling their optical and photoelectrochemical performance. <i>Surface and Coatings Technology</i> , 2020 , 389, 125628	4.4	13
106	Nanocrystalline cathode functional layer for SOFC. <i>Electrochimica Acta</i> , 2017 , 225, 168-174	6.7	12
105	Functionalization of indium-tin-oxide electrodes by laser-nanostructured gold thin films for biosensing applications. <i>Applied Surface Science</i> , 2015 , 357, 1684-1691	6.7	12
104	Investigation of catalytic layers on anode for solid oxide fuel cells operating with synthetic biogas. <i>Solid State Ionics</i> , 2015 , 271, 109-115	3.3	12
103	Phage-Directed Synthesis of Photoluminescent Zinc Oxide Nanoparticles under Benign Conditions. <i>Bioconjugate Chemistry</i> , 2016 , 27, 1999-2006	6.3	12
102	A Flexible Nafion Coated Enzyme-free Glucose Sensor Based on Au-dimpled Ti Structures. <i>Electroanalysis</i> , 2020 , 32, 323-332	3	12
101	Tin oxide nanoparticles from laser ablation encapsulated in a carbonaceous matrix Δ negative electrode in lithium-ion battery applications. <i>RSC Advances</i> , 2015 , 5, 84321-84327	3.7	11
100	Quantification of anthropogenic impact on groundwater-dependent terrestrial ecosystem using geochemical and isotope tools combined with 3-D flow and transport modelling. <i>Hydrology and Earth System Sciences</i> , 2015 , 19, 1015-1033	5.5	11
99	Nanostructure and dielectric behavior of vanadate glasses containing BaTiO ₃ . <i>Journal of Non-Crystalline Solids</i> , 2014 , 401, 202-206	3.9	11
98	Electrochemical synthesis of 3D nano-/micro-structured porous polypyrrole. <i>Materials Letters</i> , 2016 , 183, 397-400	3.3	11

97	Titania nanotubes infiltrated with the conducting polymer PEDOT modified by Prussian blue \square novel type of organic/inorganic heterojunction characterised with enhanced photoactivity. <i>RSC Advances</i> , 2016 , 6, 76246-76250	3.7	11
96	Synthesis and photoelectrochemical behaviour of hydrogenated titania nanotubes modified with conducting polymer infiltrated by redox active network. <i>Electrochimica Acta</i> , 2016 , 222, 1281-1292	6.7	10
95	Thermoelectric properties of bismuth antimony telluride alloys obtained by reduction of oxide reagents. <i>Materials Chemistry and Physics</i> , 2016 , 177, 353-359	4.4	10
94	The pulsed laser ablation synthesis of colloidal iron oxide nanoparticles for the enhancement of TiO ₂ nanotubes photo-activity. <i>Applied Surface Science</i> , 2020 , 530, 147097	6.7	10
93	Ordered titania nanotubes layer selectively annealed by laser beam for high contrast electrochromic switching. <i>Thin Solid Films</i> , 2018 , 659, 48-56	2.2	10
92	Tailoring Electro/Optical Properties of Transparent Boron-Doped Carbon Nanowalls Grown on Quartz. <i>Materials</i> , 2019 , 12,	3.5	9
91	High temperature corrosion and corrosion protection of porous Ni ₂₂ Cr alloys. <i>Surface and Coatings Technology</i> , 2015 , 261, 385-390	4.4	9
90	Metal enhanced fluorescence of flavin mononucleotide using new plasmonic platform. <i>Optical Materials</i> , 2016 , 59, 136-140	3.3	9
89	Electrical properties and structure of lead-borate glass containing iron ions. <i>Solid State Ionics</i> , 2014 , 262, 837-840	3.3	9
88	Interactions between components of SrTi _{0.98} Nb _{0.02} O ₃ \square SZ and SrTi _{0.98} Nb _{0.02} O ₃ \square TeO ₂ composites. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013 , 210, 538-545	1.6	9
87	Skin cancer following kidney transplantation: a single-center experience. <i>Transplantation Proceedings</i> , 2011 , 43, 3760-1	1.1	9
86	Laser-assisted modification of titanium dioxide nanotubes in a tilted mode as surface modification and patterning strategy. <i>Applied Surface Science</i> , 2020 , 508, 145143	6.7	9
85	Growth and Isolation of Large Area Boron-Doped Nanocrystalline Diamond Sheets: A Route toward Diamond-on-Graphene Heterojunction. <i>Advanced Functional Materials</i> , 2019 , 29, 1805242	15.6	9
84	Origin and fate of nanoparticles in marine water - Preliminary results. <i>Chemosphere</i> , 2018 , 206, 359-368	8.4	8
83	Structural and electrical transport properties of Pr-doped SrTi _{0.93} Co _{0.07} O ₃ \square novel SOEC fuel electrode materials. <i>Journal of Electroceramics</i> , 2019 , 42, 31-40	1.5	8
82	Three electrode configuration measurements of electrolyte-diffusion barrier-cathode interface. <i>Journal of the Ceramic Society of Japan</i> , 2015 , 123, 268-273	1	8
81	Spray pyrolysis of doped-ceria barrier layers for solid oxide fuel cells. <i>Surface and Coatings Technology</i> , 2017 , 313, 168-176	4.4	7
80	Novel approach to interference analysis of glucose sensing materials coated with Nafion. <i>Bioelectrochemistry</i> , 2020 , 135, 107575	5.6	7

79	The In-Depth Studies of Pulsed UV Laser-Modified TiO Nanotubes: The Influence of Geometry, Crystallinity, and Processing Parameters. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
78	Nano Tin/Tin Oxide Attached onto Graphene Oxide Skeleton as a Fluorine Free Anode Material for Lithium-Ion Batteries. <i>Inorganic Chemistry</i> , 2020 , 59, 4150-4159	5.1	7
77	Determination of the ionic conductivity of Sr-doped lanthanum manganite by modified HebbWagner technique. <i>Journal of Physics and Chemistry of Solids</i> , 2016 , 91, 163-169	3.9	7
76	Electronic conductivity in the SiO ₂ PbOFe ₂ O ₃ glass containing magnetic nanostructures. <i>Solid State Ionics</i> , 2014 , 262, 801-805	3.3	7
75	Hybrid TiO-Polyaniline Photocatalysts and their Application in Building Gypsum Plasters. <i>Materials</i> , 2020 , 13,	3.5	6
74	Novel method for metal-oxide glass composite fabrication for use in thermoelectric devices. <i>Materials Research Bulletin</i> , 2016 , 76, 195-204	5.1	6
73	A negative effect of carbon phase on specific capacity of electrode material consisted of nanosized bismuth vanadate embedded in carbonaceous matrix. <i>Synthetic Metals</i> , 2019 , 257, 116168	3.6	6
72	Fabrication and Significant Photoelectrochemical Activity of Titania Nanotubes Modified with Thin Indium Tin Oxide Film. <i>Acta Metallurgica Sinica (English Letters)</i> , 2017 , 30, 1210-1220	2.5	6
71	Novel inorganic xerogels doped with CaWO ₄ :xDy: Synthesis, characterization and luminescence properties. <i>Materials Chemistry and Physics</i> , 2017 , 199, 166-172	4.4	6
70	High-temperature kinetics study of 430L steel powder oxidized in air at 600-850 °C. <i>Corrosion Science</i> , 2019 , 149, 100-107	6.8	6
69	Self-assembly of vertically orientated graphene nanostructures: Multivariate characterisation by Minkowski functionals and fractal geometry. <i>Acta Materialia</i> , 2021 , 214, 116989	8.4	6
68	Bacteriophages as Factories for EuO Nanoparticle Synthesis. <i>Bioconjugate Chemistry</i> , 2017 , 28, 1834-1846.	3	5
67	Investigation of poly(3,4-ethylenedioxythiophene) deposition method influence on properties of ion-selective electrodes based on bis(benzo-15-crown-5) derivatives. <i>Electrochimica Acta</i> , 2017 , 246, 424-432	6.7	5
66	Electronic and ionic relaxations in strontiumBorate glass and glass-ceramics containing bismuth and vanadium oxides. <i>Solid State Ionics</i> , 2015 , 282, 37-48	3.3	5
65	Fabrication, structural and electrical properties of Sr(V,Nb)O ₃ -Perovskite materials. <i>Materials Chemistry and Physics</i> , 2018 , 212, 446-452	4.4	5
64	Raman investigation of the patina layers on Hungarian copper ingots from a fifteenth century shipwreck. <i>Journal of Raman Spectroscopy</i> , 2016 , 47, 1528-1533	2.3	5
63	Synthesis and structural properties of (Y, Sr)(Ti, Fe, Nb)O ₃ -Perovskite nanoparticles fabricated by modified polymer precursor method. <i>Solid State Sciences</i> , 2016 , 59, 1-6	3.4	5
62	Insightful Analysis of Phenomena Arising at the Metal Polymer Interphase of Au-Ti Based Non-Enzymatic Glucose Sensitive Electrodes Covered by Nafion. <i>Coatings</i> , 2020 , 10, 810	2.9	5

61	Low temperature deposition of dense MnCo ₂ O ₄ protective coatings for steel interconnects of solid oxide cells. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 4576-4579	6	5
60	Mixed ionic-electronic conductivity and structural properties of strontium-borate glass containing nanocrystallites of Bi ₂ VO _{5.5} . <i>Physica Status Solidi (B): Basic Research</i> , 2017 , 254, 1700093	1-3	4
59	Structure and electrical properties of Y, Fe-based perovskite mixed conducting composites fabricated by a modified polymer precursor method. <i>Solid State Sciences</i> , 2017 , 70, 41-46	3-4	4
58	Thermal, electrical, and magnetic properties of Fe ₂ O ₃ /B ₂ O ₃ /Bi ₂ O ₃ glass prepared by traditional melt-quenching and twin roller fast-cooling methods. <i>Journal of Physics and Chemistry of Solids</i> , 2019 , 135, 109010	3-9	4
57	Ionic conductivity behavior by activated hopping conductivity (AHC) of barium aluminoborosilicate glass/ceramic system designed for SOFC sealing. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 3103-3111	6-11	4
56	Nonlinear and linear impedance of bismuth vanadate ceramics and its relation to structural properties. <i>Solid State Ionics</i> , 2015 , 271, 86-90	3-3	4
55	Electrochemical Stability of Few-Layered Phosphorene Flakes on Boron-Doped Diamond: A Wide Potential Range of Studies in Aqueous Solutions. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 20233-20240	3-8	4
54	Processing of Ce _{0.8} Gd _{0.2} O ₂ -barrier layers for solid oxide cells: The effect of preparation method and thickness on the interdiffusion and electrochemical performance. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 5626-5633	6	4
53	Laser induced formation of copper species over TiO ₂ nanotubes towards enhanced water splitting performance. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 19192-19205	6-7	4
52	Properties of Thermally Dewetted Thin Au Films on ITO-Coated Glass for Biosensing Applications. <i>Plasmonics</i> , 2017 , 12, 1939-1946	2-4	3
51	The Influence of Iron Doping on Performance of SrTi _{1-x} Fe _x O ₃ -Perovskite Oxygen Electrode for SOFC. <i>ECS Transactions</i> , 2019 , 91, 1299-1307	1	3
50	Characterization methods of nickel nano-particles obtained by the ex-solution process on the surface of Pr, Ni-doped SrTiO ₃ perovskite ceramics. <i>SN Applied Sciences</i> , 2019 , 1, 1	1-8	3
49	Thermally tuneable optical and electrochemical properties of Au-Cu nanomosaic formed over the host titanium dimples. <i>Chemical Engineering Journal</i> , 2020 , 399, 125673	14-7	3
48	Preparation and characterisation of iron substituted Mn _{1.7} Cu _{1.3-x} Fe _x O ₄ spinel oxides (x = 0, 0.1, 0.3, 0.5). <i>Journal of the European Ceramic Society</i> , 2020 , 40, 5920-5929	6	3
47	Influence of the electrosynthesis conditions on the spontaneous release of anti-inflammatory salicylate during degradation of polypyrrole coated iron for biodegradable cardiovascular stent. <i>Electrochimica Acta</i> , 2019 , 320, 134612	6-7	3
46	Deposition and Electrical and Structural Properties of La _{0.6} Sr _{0.4} CoO ₃ Thin Films for Application in High-Temperature Electrochemical Cells. <i>Journal of Electronic Materials</i> , 2019 , 48, 5428-5441	1-9	3
45	The Properties of Reduced Bi-Ge-O Glasses for Thermoelectric Devices. <i>Procedia Engineering</i> , 2014 , 98, 46-50		3
44	Microstructure and Dielectric Properties of Barium-vanadate Glasses. <i>Procedia Engineering</i> , 2014 , 98, 62-70		3

43	Anodic titania nanotubes decorated with gold nanoparticles produced by laser-induced dewetting of thin metallic films. <i>Scientific Reports</i> , 2020 , 10, 20506	4.9	3
42	Improvement of Oxygen Electrode Performance of Intermediate Temperature Solid Oxide Cells by Spray Pyrolysis Deposited Active Layers. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2002227	4.6	3
41	Effect of Functionalization of Reduced Graphene Oxide Coatings with Nitrogen and Sulfur Groups on Their Anti-Corrosion Properties. <i>Materials</i> , 2021 , 14,	3.5	3
40	Application of Shrimp Waste for the Synthesis of Polyurethane-Chitosan Materials with Potential Use in Sorption of Oil Micro-Spills in Water Treatment. <i>Sustainability</i> , 2021 , 13, 5098	3.6	3
39	Laser-assisted approach for improved performance of Au-Ti based glucose sensing electrodes. <i>Applied Surface Science</i> , 2021 , 543, 148788	6.7	3
38	Rapid development of the photoresponse and oxygen evolution of TiO ₂ nanotubes sputtered with Cr thin films realized via laser annealing. <i>Journal of Alloys and Compounds</i> , 2021 , 877, 160316	5.7	3
37	Amyloid fibril formation in the presence of water structure-affecting solutes. <i>Biophysical Chemistry</i> , 2019 , 254, 106265	3.5	2
36	The Influence of the Electrodeposition Parameters on the Properties of Mn-Co-Based Nanofilms as Anode Materials for Alkaline Electrolysers. <i>Materials</i> , 2020 , 13,	3.5	2
35	Distribution of relaxation times as a method of separation and identification of complex processes measured by impedance spectroscopy 2017 ,		2
34	Metal dusting phenomena of 501 AISI furnace tubes in refinery fractional distillation unit. <i>Engineering Failure Analysis</i> , 2018 , 91, 108-114	3.2	2
33	Recurrent potential pulse technique for improvement of glucose sensing ability of 3D polypyrrole. <i>Measurement Science and Technology</i> , 2017 , 28, 074004	2	2
32	The Properties of Reduced Ge-Sb-O Glasses for Thermoelectric Devices. <i>Procedia Engineering</i> , 2014 , 98, 51-55		2
31	Correlation between structural and electrical properties in highly porous (Y,Sr)(Ti,Nb)O ₃ SOFC anodes. <i>Materials Science-Poland</i> , 2014 , 32, 331-340	0.6	2
30	Impedance Studies of Phosphate-iron Glasses Containing Niobium and Titanium. <i>Procedia Engineering</i> , 2014 , 98, 56-61		2
29	Microstructural and electrical properties of Y _{0.07} Sr _{0.93-x} TiO ₃ -Perovskite ceramics. <i>Open Physics</i> , 2012 , 10,	1.3	2
28	Determination of ionic conductivity in the Bi-Si-O and Pb-Si-O glasses. <i>Materials Science-Poland</i> , 2017 , 35, 681-686	0.6	2
27	Preparation of Hydrogen Electrodes of Solid Oxide Cells by Infiltration: Effects of the Preparation Procedure on the Resulting Microstructure. <i>Materials</i> , 2019 , 13,	3.5	2
26	Light-improved glucose sensing on ordered Au-Ti heterostructure. <i>Optik</i> , 2020 , 206, 164166	2.5	2

25	Laser-Assisted Synthesis and Oxygen Generation of Nickel Nanoparticles. <i>Materials</i> , 2020 , 13,	3.5	2
24	The influence of the Cu ₂ O deposition method on the structure, morphology and photoresponse of the ordered TiO ₂ NTs/Cu ₂ O heterojunction. <i>Materials Research Express</i> , 2019 , 6, 1250b6	1.7	2
23	Low-strain sensor based on the flexible boron-doped diamond-polymer structures. <i>Carbon</i> , 2021 , 173, 832-841	10.4	2
22	Free-standing TiO nanotubes decorated with spherical nickel nanoparticles as a cost-efficient electrocatalyst for oxygen evolution reaction.. <i>RSC Advances</i> , 2020 , 11, 219-228	3.7	2
21	Pulsed Laser Deposition of Bismuth Vanadate Thin Films-The Effect of Oxygen Pressure on the Morphology, Composition, and Photoelectrochemical Performance. <i>Materials</i> , 2020 , 13,	3.5	1
20	Low temperature growth of diamond films on optical fibers using Linear Antenna CVD system. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 104, 012025	0.4	1
19	Phase Separation and Electrical Properties of Manganese Borosilicate Glasses. <i>Procedia Engineering</i> , 2014 , 98, 71-77		1
18	Aggregation of Rhodamine 6G in titanium dioxide nanolayers and bulk xerogels. <i>Optical Materials</i> , 2014 , 36, 1694-1697	3.3	1
17	Application of wet powder spraying for anode supported solid oxide fuel cell with a perovskite SrTi _{0.98} Nb _{0.02} O _{3-δ} anode. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013 , 210, 2736-2741	1.6	1
16	Formation of the hollow nanopillar arrays through the laser-induced transformation of TiO nanotubes. <i>Scientific Reports</i> , 2020 , 10, 20235	4.9	1
15	DC and AC Conductivity, Biosolubility and Thermal Properties of Mg-Doped NaO-CaO-PO Glasses. <i>Materials</i> , 2021 , 14,	3.5	1
14	High Temperature Corrosion Evaluation of Porous Hastelloy X Alloy in Air and Humidified Hydrogen Atmospheres. <i>Journal of the Electrochemical Society</i> , 2016 , 163, C296-C302	3.9	1
13	Spectacular Oxygen Evolution Reaction Enhancement through Laser Processing of the Nickel-Decorated Titania Nanotubes. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001420	4.6	1
12	The effect of Fe on chemical stability and oxygen evolution performance of high surface area SrTi _{x-1} Fe _x O _{3-δ} mixed ionic-electronic conductors in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 28575-28590	6.7	1
11	Influence of yttria surface modification on high temperature corrosion of porous Ni ₂₂ Cr alloy. <i>International Journal of Applied Ceramic Technology</i> , 2018 , 15, 361-369	2	0
10	Scheelite-Type Wide-Bandgap ABO ₄ Compounds (A = Ca, Sr, and Ba; B = Mo and W) as Potential Photocatalysts for Water Treatment. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 25497-25513	3.8	0
9	The Effect of Cobalt Incorporation into Nickel/Iron Oxide/(oxy)hydroxide Catalyst on Electrocatalytic Performance Toward Oxygen Evolution Reaction. <i>Energy Technology</i> , 2021 , 9, 2100688	3.5	0
8	Influence of stabilizing osmolytes on hen egg white lysozyme fibrillation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-8	3.6	0

7	Synthesis and Physicochemical Characteristics of Chitosan-Based Polyurethane Flexible Foams. <i>Processes</i> , 2021 , 9, 1394	2.9	0
6	Effect of Nb and Al on in vitro dissolution behavior and structure of Na ₂ O-MgO CaO-P ₂ O ₅ glasses. <i>Journal of Non-Crystalline Solids</i> , 2022 , 585, 121544	3.9	0
5	Susceptibility to Degradation in Soil of Branched Polyesterurethane Blends with Polylactide and Starch. <i>Polymers</i> , 2022 , 14, 2086	4.5	0
4	Synthesis and properties of porous Sr _{0.96} Y _{0.04} Ti _{1-x} Nb _x O ₃ . <i>Solid State Ionics</i> , 2018 , 320, 305-309	3.3	
3	The Influence of the Co-Dopant Dexamethasone Phosphate on the Electrodeposition Process and Drug-Release Properties of Polypyrrole-Salicylate on Iron. <i>Journal of the Electrochemical Society</i> , 2019 , 166, G148-G155	3.9	
2	A modified weighted mixture model for the interpretation of spatial and temporal changes in the microbial communities in drinking water reservoirs using compositional phospholipid fatty acid data. <i>Talanta</i> , 2016 , 160, 148-156	6.2	
1	Structural evaluation of percolating, self-healing polyurethane/polycaprolactone blends doped with metallic, ferromagnetic, and modified graphene fillers. <i>Polymers and Polymer Composites</i> , 2021 , 29, 541-552	0.8	