

Wei Gao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

293
papers

5,991
citations

41
h-index

64
g-index

307
ext. papers

6,797
ext. citations

3.8
avg, IF

6.13
L-index

#	Paper	IF	Citations
293	Co-deposition of Ag and Co ₃ O ₄ on black TiO ₂ -x nanotubes with enhanced photocatalytic activity under visible light irradiation. <i>Journal of Materials Science</i> , 2022 , 57, 2455-2466	4.3	0
292	Accurately localizing multiple nanoparticles in a multishelled matrix through shell-to-core evolution for maximizing energy storage capability.. <i>Advanced Materials</i> , 2022 , e2200206	24	5
291	Coating conductive polypyrrole layers on multiple shells of hierarchical SnO ₂ spheres and their enhanced cycling stability as lithium-ion battery anode. <i>Applied Surface Science</i> , 2022 , 586, 152836	6.7	4
290	Nitrogen-doped carbon hollow spheres packed with multiple nano Sn particles for enhanced lithium storage. <i>Chemical Engineering Journal</i> , 2022 , 136768	14.7	0
289	Sequential absorption and shell-to-core evolution to encapsulate Sn particles in hollow TiO ₂ -x spheres for enhanced lithium storage. <i>Applied Surface Science</i> , 2022 , 153631	6.7	0
288	MOF-derived formation of ultrafine FeP nanoparticles confined by N/P Co-doped carbon as an efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Applied Surface Science</i> , 2022 , 153662	6.7	0
287	Yolk-shelled SnO ₂ @NxC spheres with controllable void space as high-capacity and cycle-stable anode materials for Lithium-ion batteries. <i>Materials and Design</i> , 2022 , 110745	8.1	0
286	Accurately tailoring yolk-shell spheres to balance cycling stability and volumetric capacity of lithium storage. <i>Journal of Alloys and Compounds</i> , 2022 , 917, 165548	5.7	0
285	Achieving High Loading Inhibitor Carriers with pH-Response for Active Corrosion Protection using Attapulgit. <i>Materials Today Nano</i> , 2022 , 100228	9.7	0
284	Immobilized ZnO based nanostructures and their environmental applications. <i>Progress in Natural Science: Materials International</i> , 2021 , 31, 821-821	3.6	0
283	Phase control and stabilization of 1T-MoS ₂ via black TiO ₂ nanotube arrays supporting for electrocatalytic hydrogen evolution. <i>Journal of Energy Chemistry</i> , 2021 , 68, 71-71	12	3
282	Microstructure and battery performance of Mg-Zn-Sn alloys as anodes for magnesium-air battery. <i>Journal of Magnesium and Alloys</i> , 2021 ,	8.8	5
281	LIPSS-Sticks: Laser Induced Double Self Organization Enhances the Broadband Light Absorption of TiO ₂ Nanotube Arrays. <i>Advanced Photonics Research</i> , 2021 , 2, 2000133	1.9	2
280	Polymer-based TiO ₂ nanocomposite membrane: synthesis and organic pollutant removal. <i>International Journal of Smart and Nano Materials</i> , 2021 , 12, 129-145	3.6	6
279	Hypoeutectic Mg ₂ Zn binary alloys as anode materials for magnesium-air batteries. <i>Journal of Alloys and Compounds</i> , 2021 , 857, 157579	5.7	11
278	Corrosion fatigue crack propagation behavior of A7N01P-T4 aluminum alloy welded joints from high-speed train underframe after 1.8 million km operation. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2021 , 72, 879-887	1.6	1
277	Influence of chitosan modification on self-assembly behavior of Fe ₃ O ₄ nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , 2021 , 11, 21-27	3.3	3

276	Tunable-spectrum Mn ²⁺ doped garnet transparent ceramics for high-color rendering laser lighting. <i>International Journal of Applied Ceramic Technology</i> , 2021 , 18, 716-723	2	0
275	A high-performance Cu-doped vanadium pentoxide thin-film cathode for lithium-ion batteries. <i>Ionics</i> , 2021 , 27, 2335-2344	2.7	4
274	Synthesis of bimetallic MoS ₂ /VS ₂ nano-urchins-reduced graphene oxide hybrid nanocomposite for high performance supercapacitor application. <i>Electrochimica Acta</i> , 2021 , 398, 139300	6.7	3
273	Biological Pretreatment by Solid-State Fermentation of Oat Straw to Enhance Physical Quality of Pellets. <i>Journal of Chemistry</i> , 2020 , 2020, 1-13	2.3	4
272	Cu ₅ Sn ₂ Zn nanocomposite coatings prepared by TiO ₂ sol-enhanced electrodeposition. <i>Journal of Applied Electrochemistry</i> , 2020 , 50, 875-885	2.6	3
271	Synthesis of free standing TiO ₂ nanostructures (FSTNS) via hydrothermal process for organic photocatalytic degradation 2020 ,		1
270	Experimental study on freezing and thawing deformation of geogrid-reinforced silty clay structure. <i>Bulletin of Engineering Geology and the Environment</i> , 2020 , 79, 2883-2892	4	1
269	Research on Thermal Insulation Properties of Plant Fiber Composite Building Material: A Review. <i>International Journal of Thermophysics</i> , 2020 , 41, 1	2.1	3
268	Stress corrosion property of 304 stainless steel and Q345 steel laser-MAG hybrid welded joints. <i>International Journal of Modern Physics B</i> , 2020 , 34, 2040057	1.1	1
267	Surface modification of TiO ₂ for visible light photocatalysis: Experimental and theoretical calculations of its electronic and optical properties. <i>International Journal of Modern Physics B</i> , 2020 , 34, 2040067	1.1	5
266	Pulse gas-assisted multi-needle electrospinning of nanofibers. <i>Advanced Composites and Hybrid Materials</i> , 2020 , 3, 98-113	8.7	12
265	Temperature and doping content independence of lifetime in Li ₂ MgSiO ₄ :Eu ³⁺ phosphor. <i>International Journal of Modern Physics B</i> , 2020 , 34, 2040014	1.1	0
264	Wearable Flexible Strain Sensor Based on Three-Dimensional Wavy Laser-Induced Graphene and Silicone Rubber. <i>Sensors</i> , 2020 , 20,	3.8	18
263	Photoluminescent transparent ceramics with an adjustable spectrum for high-color rendering laser lighting. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 16483-16488	7.1	6
262	A hybrid composite of rGO/TiO ₂ as a double layer electrode with improved capacitance performance. <i>International Journal of Energy Research</i> , 2020 , 44, 12197-12203	4.5	5
261	A high-performance graphene based asymmetric supercapacitor. <i>International Journal of Modern Physics B</i> , 2020 , 34, 2040007	1.1	2
260	Synthesis, growth mechanism and effect of sputtering pressure on 3D ZnO nanostructures with trunk-branch nanorods. <i>Functional Materials Letters</i> , 2019 , 12, 1940003	1.2	1
259	Microstructure and Properties of Duplex Ni-P-TiO ₂ /Ni-P Nanocomposite Coatings. <i>Materials Research</i> , 2019 , 22,	1.5	7

258	Development and Properties of Polymeric Nanocomposite Coatings. <i>Polymers</i> , 2019 , 11,	4.5	22
257	Formation of copper hydroxyl sulfates in CuSO ₄ solution by NaOH titration. <i>International Journal of Modern Physics B</i> , 2019 , 33, 1940059	1.1	1
256	Fabrication of flower-like TiO ₂ on Bucky paper with enhanced photocatalytic activity. <i>International Journal of Modern Physics B</i> , 2019 , 33, 1950017	1.1	4
255	Microstructure and properties of sol-enhanced Co-P-TiO ₂ nano-composite coatings. <i>Journal of Alloys and Compounds</i> , 2019 , 792, 617-625	5.7	21
254	Influence of temperature and pH value on deposition rate and corrosion resistance of Ni ₄ Zn ₁ P alloy coating. <i>International Journal of Modern Physics B</i> , 2019 , 33, 1940013	1.1	3
253	Hierarchical structures of coated TiO ₂ nanoribbons with photodegradation and sedimentation properties. <i>International Journal of Modern Physics B</i> , 2019 , 33, 1940022	1.1	4
252	Preparation of Ag-decorated TiO ₂ nanotube electrode and its catalytic property. <i>International Journal of Modern Physics B</i> , 2019 , 33, 1940023	1.1	1
251	Preparation and properties of duplex Ni-P-TiO ₂ /Ni nanocomposite coatings. <i>International Journal of Modern Physics B</i> , 2019 , 33, 1940019	1.1	2
250	Study of residual stresses in A7N01 aluminum alloy with X-ray diffraction Debye ring analysis. <i>International Journal of Modern Physics B</i> , 2019 , 33, 1940032	1.1	4
249	Factors effecting the freeze thaw process in soils and reduction in damage due to frosting with reinforcement: a review. <i>Bulletin of Engineering Geology and the Environment</i> , 2019 , 78, 5001-5010	4	10
248	Enhancing photocatalytic activities of titanium dioxide via well-dispersed copper nanoparticles. <i>Chemosphere</i> , 2018 , 204, 193-201	8.4	25
247	Preparation and thermal properties of fatty acid/diatomite form-stable composite phase change material for thermal energy storage. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 178, 273-279	6.4	90
246	Thermal energy storage properties and thermal reliability of PEG/bone char composite as a form-stable phase change material. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 132, 1753-1761	4.1	25
245	Synthesis, characterization and photocatalytic property of novel ZnO/bone char composite. <i>Materials Research Bulletin</i> , 2018 , 102, 45-50	5.1	27
244	Magnetic carbon nanotubes for self-regulating temperature hyperthermia.. <i>RSC Advances</i> , 2018 , 8, 11993-12003	3.1	20
243	Influence of Bi addition on the property of Ag-Bi nano-composite coatings. <i>Surface and Coatings Technology</i> , 2018 , 349, 217-223	4.4	9
242	Enhanced visible light photodegradation activity of RhB/MB from aqueous solution using nanosized novel Fe-Cd co-modified ZnO. <i>Scientific Reports</i> , 2018 , 8, 10691	4.9	77
241	Synthesis and Photocatalytic Performance of ZnO/Bone Char Composite. <i>Materials</i> , 2018 , 11,	3.5	5

240	x-The Effect of Microstructure on the Corrosion Fatigue Property of A7N01P-T4 Aluminum Alloy Welding Joints. <i>Corrosion</i> , 2018 , 74, 1229-1236	1.8	0
239	Removal of Methylene Blue from Aqueous Solution by Bone Char. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1903	2.6	29
238	In situ formation of Ag/ZnO heterostructure arrays during synergistic photocatalytic process for SERS and photocatalysis. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 88, 277-285	5.3	21
237	"14"-Type Nitrides LnAl(Si _{4-x} Al _x)N ₇ O ₂ with Unusual [AlN ₆] Octahedral Coordination. <i>Angewandte Chemie</i> , 2017 , 129, 3944-3949	3.6	
236	"114"-Type Nitrides LnAl(Si Al)N O with Unusual [AlN] Octahedral Coordination. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 3886-3891	16.4	1
235	Ultrafast laser patterning and defect generation in titania nanotubes for the enhancement of optical and photocatalytic properties 2017 ,		1
234	Effects of Pb addition on microstructures and elemental distribution of AS-CAST AZ61 Mg alloy. <i>International Journal of Modern Physics B</i> , 2017 , 31, 1744002	1.1	
233	Innenstruktur: "14"-Type Nitrides LnAl(Si _{4-x} Al _x)N ₇ O ₂ with Unusual [AlN ₆] Octahedral Coordination (Angew. Chem. 14/2017). <i>Angewandte Chemie</i> , 2017 , 129, 4125-4125	3.6	
232	Decoration of ZnO nanorod arrays by Cu nanocrystals via magnetron sputtering. <i>International Journal of Modern Physics B</i> , 2017 , 31, 1744050	1.1	
231	TiO ₂ used as photocatalyst for rhodamine B degradation under solar radiation. <i>International Journal of Modern Physics B</i> , 2017 , 31, 1744095	1.1	9
230	Effects of La ₂ O ₃ on the microstructure and tribological properties of plasma-sprayed Cr ₂ O ₃ /TiO ₂ coatings. <i>International Journal of Modern Physics B</i> , 2017 , 31, 1744033	1.1	1
229	Microstructure and properties of TiO ₂ sol-enhanced black nickel nanocomposite coating. <i>International Journal of Modern Physics B</i> , 2017 , 31, 1744023	1.1	2
228	Selective separation and recovery of silver and copper from mixtures by photocatalysis. <i>International Journal of Modern Physics B</i> , 2017 , 31, 1744096	1.1	
227	Adsorption behavior of methylene blue by bone char. <i>International Journal of Modern Physics B</i> , 2017 , 31, 1744099	1.1	8
226	Enhanced photocatalytic performance of ZnO/bone char composites. <i>Materials Letters</i> , 2017 , 205, 233-235		16
225	Effects of TiO ₂ sol on the microstructure and properties of Au/TiO ₂ coatings. <i>International Journal of Modern Physics B</i> , 2017 , 31, 1744028	1.1	
224	Probing the specificity of polyurethane foam as a 'solid-phase extractant': Extractability-governing molecular attributes of lipophilic phenolic compounds. <i>Talanta</i> , 2017 , 172, 186-198	6.2	9
223	Preparation of broadband absorption ceramic coatings by using plasma electrolytic deposition. <i>International Journal of Modern Physics B</i> , 2017 , 31, 1744082	1.1	

222	Nanoindentation study of electrodeposited Ag thin coating: An inverse calculation of anisotropic elastic-plastic properties. <i>Surface and Coatings Technology</i> , 2017 , 310, 43-50	4.4	30
221	Microstructure and enhanced photoluminescence of ZnO/V ₂ O ₅ composite. <i>International Journal of Modern Physics B</i> , 2017 , 31, 1744051	1.1	
220	Effects of Bi Addition on the Microstructure and Mechanical Properties of Nanocrystalline Ag Coatings. <i>Materials</i> , 2017 , 10,	3.5	10
219	NaBH ₄ modified TiO ₂ : Defect site enhancement related to its photocatalytic activity. <i>Materials Chemistry and Physics</i> , 2017 , 199, 571-576	4.4	52
218	GROWTH BEHAVIOR OF INTERMETALLIC LAYER ON STAINLESS STEEL IN ALUMINUM HOT-DIPPING PROCESS. <i>Surface Review and Letters</i> , 2017 , 24, 1750046	1.1	4
217	Synthesis of magnetic biochar from pine sawdust via oxidative hydrolysis of FeCl for the removal sulfamethoxazole from aqueous solution. <i>Journal of Hazardous Materials</i> , 2017 , 321, 868-878	12.8	166
216	A new, bright and hard aluminum surface produced by anodization. <i>International Journal of Modern Physics B</i> , 2017 , 31, 1744029	1.1	
215	Effect of Mg content on microstructure and corrosion behavior of hot dipped Zn-Al-Mg coatings. <i>Journal of Alloys and Compounds</i> , 2016 , 670, 239-248	5.7	38
214	Self-organized ZnO nanorods prepared by anodization of zinc in NaOH electrolyte. <i>RSC Advances</i> , 2016 , 6, 72968-72974	3.7	13
213	Mechanical properties and microstructure of Au-Ni-TiO ₂ nano-composite coatings. <i>Materials Characterization</i> , 2015 , 102, 189-194	3.9	28
212	Effects of Mg content on microstructure and electrochemical properties of Zn-Al-Mg alloys. <i>Journal of Alloys and Compounds</i> , 2015 , 645, 131-136	5.7	22
211	Effect of doping Gd ³⁺ on crystal structure and luminescent properties of Sr ₂ SiO ₄ :Eu ²⁺ phosphor. <i>Journal of Rare Earths</i> , 2015 , 33, 693-699	3.7	15
210	Electrochemical studies of sol-enhanced Zn-Ni-Al ₂ O ₃ composite and Zn-Ni alloy coatings. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 755, 63-70	4.1	22
209	Effects of bismuth addition and electrodeposition processing on Zn-based coatings. <i>International Journal of Modern Physics B</i> , 2015 , 29, 1540010	1.1	1
208	Recovery of silver metal from low concentrated wastewater by photocatalysis. <i>International Journal of Modern Physics B</i> , 2015 , 29, 1540028	1.1	3
207	Microstructure and properties of Ni-Co-TiO ₂ composite coatings fabricated by electroplating. <i>International Journal of Modern Physics B</i> , 2015 , 29, 1540008	1.1	6
206	Microstructure and properties of sol-enhanced Ni-Co-TiO ₂ nano-composite coatings on mild steel. <i>Journal of Alloys and Compounds</i> , 2015 , 649, 222-228	5.7	47
205	Zn-Ni-Al ₂ O ₃ nano-composite coatings prepared by sol-enhanced electroplating. <i>Applied Surface Science</i> , 2015 , 351, 869-879	6.7	18

204	Microwave-Assisted Synthesis of High Dielectric Constant CaCu ₃ Ti ₄ O ₁₂ from Sol-Gel Precursor. <i>Journal of Electronic Materials</i> , 2015 , 44, 2243-2249	1.9	11
203	The effect of pulse electroplating on Zn/Ni alloy and Zn/Ni/Al ₂ O ₃ composite coatings. <i>Journal of Alloys and Compounds</i> , 2015 , 622, 918-924	5.7	33
202	Consumer-grade polyurethane foam functions as a large and selective absorption sink for bisphenol A in aqueous media. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 8870-8881	13	12
201	Preparation and property of duplex Ni ₃ Sn ₂ /TiO ₂ /Ni nano-composite coatings. <i>International Journal of Modern Physics B</i> , 2015 , 29, 1540022	1.1	8
200	Influence of Al ₂ O ₃ sol concentration on the microstructure and mechanical properties of Cu/Al ₂ O ₃ composite coatings. <i>International Journal of Modern Physics B</i> , 2015 , 29, 1540021	1.1	2
199	Crystal structure development of vanadium oxide thin films deposited by a magnetron sputtering technique. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2015 , 33, 041802	1.3	1
198	Improving dielectric properties and thermal conductivity of polymer composites with CaCu ₃ Ti ₄ O ₁₂ and BiC hybrid fillers. <i>Functional Materials Letters</i> , 2015 , 08, 1540011	1.2	3
197	Transmission electron microscopy analysis of hydroxyapatite nanocrystals from cattle bones. <i>Materials Characterization</i> , 2015 , 109, 73-78	3.9	15
196	Enhanced extrinsic dielectric response of TiO ₂ modified CaCu ₃ Ti ₄ O ₁₂ ceramics. <i>Ceramics International</i> , 2015 , 41, 13447-13454	5.1	34
195	Design and modeling of a continuously variable piezoelectric RF MEMS switch. <i>Microsystem Technologies</i> , 2015 , 21, 1293-1300	1.7	6
194	How voltage dictates anodic TiO ₂ formation. <i>Scripta Materialia</i> , 2015 , 94, 32-35	5.6	9
193	Trace phase formation, crystallization kinetics and crystallographic evolution of a lithium disilicate glass probed by synchrotron XRD technique. <i>Scientific Reports</i> , 2015 , 5, 9159	4.9	22
192	CaCu ₃ Ti ₄ O ₁₂ /PVDF polymeric composites with enhanced capacitive energy density. <i>International Journal of Modern Physics B</i> , 2015 , 29, 1540003	1.1	3
191	Sorption of ¹⁷ Estradiol from aqueous solutions on to bone char derived from waste cattle bones: Kinetics and isotherms. <i>Journal of Environmental Chemical Engineering</i> , 2015 , 3, 1562-1569	6.8	29
190	A multi-layered polydimethylsiloxane structure for application in low-excitation, broadband and low frequency energy harvesting. <i>Sensors and Actuators A: Physical</i> , 2015 , 222, 140-148	3.9	8
189	Double-layered Ni-P/Ni-P-ZrO ₂ electroless coatings on AZ31 magnesium alloy with improved corrosion resistance. <i>Surface and Coatings Technology</i> , 2015 , 261, 161-166	4.4	51
188	Growth process, crystal size and alignment of ZnO nanorods synthesized under neutral and acid conditions. <i>Journal of Alloys and Compounds</i> , 2015 , 629, 84-91	5.7	36
187	A feasibility study of agricultural and sewage biomass as biochar, bioenergy and biocomposite feedstock: production, characterization and potential applications. <i>Science of the Total Environment</i> , 2015 , 512-513, 495-505	10.2	123

186	Properties of ZnBi composite coatings prepared by ionic co-discharge deposition. <i>Transactions of Nonferrous Metals Society of China</i> , 2015 , 25, 199-205	3.3	1
185	Ag/ZnO heterostructures and their photocatalytic activity under visible light: effect of reducing medium. <i>Journal of Hazardous Materials</i> , 2015 , 287, 59-68	12.8	108
184	Partially crystallized TiO ₂ for microwave absorption. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5285-5288	3	68
183	Duplex NiP/ZrO ₂ /NiP electroless coating on stainless steel. <i>Journal of Alloys and Compounds</i> , 2015 , 630, 189-194	5.7	43
182	A study on corrosion behaviour of magnetron sputtered ZnMg coating deposited onto electro-galvanized steel. <i>Surface and Coatings Technology</i> , 2014 , 249, 90-96	4.4	5
181	Superhydrophobic surface of TiO ₂ hierarchical nanostructures fabricated by Ti anodization. <i>Journal of Colloid and Interface Science</i> , 2014 , 420, 97-100	9.3	21
180	Polymer antimicrobial coatings with embedded fine Cu and Cu salt particles. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 6265-74	5.7	21
179	Synthesis and properties of electrodeposited NiBi/TeO ₂ composite coatings. <i>Materials & Design</i> , 2014 , 59, 421-429		69
178	Photocatalytic TiO ₂ nanoparticles enhanced polymer antimicrobial coating. <i>Applied Surface Science</i> , 2014 , 290, 274-279	6.7	47
177	TiO ₂ /ZnO nanocomposite, ZnO/ZnO bi-level nanostructure and ZnO nanorod arrays: microstructure and time-affected wettability change in ambient conditions. <i>RSC Advances</i> , 2014 , 4, 30658-30665	3.7	9
176	Double-layer iridium/aluminum intermetallic coating on iridium/rhenium coated graphite prepared by pack cementation. <i>Surface and Coatings Technology</i> , 2014 , 258, 524-530	4.4	16
175	Preparation and property of sol-enhanced NiBi/TiO ₂ nano-composite coatings. <i>Journal of Alloys and Compounds</i> , 2014 , 617, 472-478	5.7	50
174	Structural Response of Lithium Disilicate in Glass Crystallization. <i>Crystal Growth and Design</i> , 2014 , 14, 5144-5151	3.5	19
173	Properties of electrodeposited NiBi/Al ₂ O ₃ composite coatings. <i>Materials & Design</i> , 2014 , 64, 127-135		59
172	Long-term high-temperature oxidation of iridium coated rhenium by electrical resistance heating method. <i>International Journal of Refractory Metals and Hard Materials</i> , 2014 , 44, 42-48	4.1	17
171	Investigation of phase evolution of CaCu ₃ Ti ₄ O ₁₂ (CCTO) by in situ synchrotron high-temperature powder diffraction. <i>Journal of Solid State Chemistry</i> , 2014 , 211, 58-62	3.3	19
170	Au-Ni-TiO ₂ Nano-Composite Coatings Prepared by Sol-Enhanced Method. <i>Journal of the Electrochemical Society</i> , 2014 , 161, D775-D781	3.9	12
169	Effects of Mg on microstructure and corrosion properties of ZnMg alloy. <i>Journal of Alloys and Compounds</i> , 2014 , 602, 101-107	5.7	90

168	Anodization of NiTi alloy in an ethylene glycol electrolyte. <i>Surface and Coatings Technology</i> , 2014 , 252, 142-147	4.4	13
167	Defective black TiO ₂ synthesized via anodization for visible-light photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 1385-8	9.5	180
166	A near-ultraviolet (NUV) converting green-yellow Ca ₂ AlMg _{0.5} Si _{1.5} O ₇ :Eu ²⁺ phosphor for white light-emitting-diodes (w-LEDs). <i>Chemical Engineering Journal</i> , 2014 , 254, 486-490	14.7	20
165	Electrodeposition of single gamma phased ZnNi alloy coatings from additive-free acidic bath. <i>Applied Surface Science</i> , 2014 , 311, 635-642	6.7	58
164	Physicochemical Characterization of Electrosynthesized PbO ₂ Coatings: The Effect of Pb ²⁺ Concentration and Current Density. <i>Journal of the Electrochemical Society</i> , 2014 , 161, D327-D332	3.9	9
163	Photodegradation of Endocrine Disrupting Chemicals by ZnO Nanorod Arrays. <i>Molecular Crystals and Liquid Crystals</i> , 2014 , 603, 194-201	0.5	4
162	Effects of Mg on morphologies and properties of hot dipped ZnMg coatings. <i>Surface and Coatings Technology</i> , 2014 , 260, 39-45	4.4	11
161	NiBi composite coatings produced by ionic co-discharge electrodeposition. <i>Surface and Coatings Technology</i> , 2014 , 260, 279-283	4.4	4
160	Orthogonal experimental design of polydimethylsiloxane curing for the design of low-frequency vibrational energy harvester. <i>Journal of Intelligent Material Systems and Structures</i> , 2014 , 25, 2228-2234	2.3	6
159	Effects of Pb/Sn additions on the age-hardening behaviour of MgZn alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 597, 52-61	5.3	14
158	Zn ₃ (VO ₄) ₂ prepared by magnetron sputtering: microstructure and optical property. <i>Applied Nanoscience (Switzerland)</i> , 2013 , 3, 535-542	3.3	13
157	Nucleation and Crystallization Kinetics of a Multicomponent Lithium Disilicate Glass by in Situ and Real-Time Synchrotron X-ray Diffraction. <i>Crystal Growth and Design</i> , 2013 , 13, 4031-4038	3.5	34
156	Adsorption of ethinylestradiol (EE ₂) on polyamide 612: molecular modeling and effects of water chemistry. <i>Water Research</i> , 2013 , 47, 2273-84	12.5	58
155	Microstructure, growth process and enhanced photocatalytic activity of immobilized hierarchical ZnO nanostructures. <i>RSC Advances</i> , 2013 , 3, 21666	3.7	22
154	Physicochemical characterisation of electrosynthesized lead dioxide coatings on Ti/SnO ₂ -Sb substrates. <i>Electrochimica Acta</i> , 2013 , 113, 446-453	6.7	17
153	In situ high-temperature crystallographic evolution of a nonstoichiometric Li ₂ O _{1/2} SiO ₂ glass. <i>Inorganic Chemistry</i> , 2013 , 52, 14188-95	5.1	17
152	Effects of Sn addition on the microstructure and mechanical properties of as-cast, rolled and annealed MgZn alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 585, 139-148	5.3	45
151	A porous (La, Sm) co-doped Sialon-polytypoid ceramic with colour and structure differences in multilayers. <i>CrystEngComm</i> , 2013 , 15, 8552	3.3	5

150	SURFACE MODIFICATION OF NITINOL BY CHEMICAL AND ELECTROCHEMICAL ETCHING. <i>Modern Physics Letters B</i> , 2013 , 27, 1341012	1.6	2
149	Remarkable sorption properties of polyamide 12 microspheres for a broad-spectrum antibacterial (triclosan) in water. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 4941	13	12
148	Capturing hormones and bisphenol A from water via sustained hydrogen bond driven sorption in polyamide microfiltration membranes. <i>Water Research</i> , 2013 , 47, 197-208	12.5	48
147	Crystalline phase formation, microstructure and mechanical properties of a lithium disilicate glass/ceramic. <i>Journal of Materials Science</i> , 2013 , 48, 251-257	4.3	36
146	Fabrication of a high-strength lithium disilicate glass-ceramic in a complex glass system Peer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society. View all notes. <i>Journal of Asian Ceramic Societies</i> , 2013 , 1, 46-52	2.4	31
145	Microstructures and mechanical properties of electroplated CuBi coatings. <i>Transactions of Nonferrous Metals Society of China</i> , 2013 , 23, 2939-2944	3.3	5
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