Wei Gao

List of Publications by Citations

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	Pilling-Bedworth ratio for oxidation of alloys. *Materials Research Innovations*, **2000**, 3, 231-235	1.9	186
292	Defective black TiOTiO2synthesized via anodization for visible-light photocatalysis. *ACS Applied Materials & Interfaces*, **2014**, 6, 1385-8	9.5	180
291	Synthesis of magnetic biochar from pine sawdust via oxidative hydrolysis of FeCl for the removal sulfamethoxazole from aqueous solution. *Journal of Hazardous Materials*, **2017**, 321, 868-878	12.8	166
290	Potential dissolution and photo-dissolution of ZnO thin films. *Journal of Hazardous Materials*, **2010**, 178, 115-22	12.8	146
289	Oxidation behaviour of sputter-depositedNiCrAl micro-crystalline coatings. *Acta Materialia*, **1998**, 46, 1691-1700	8.4	146
288	A novel electroless plating of NiPTiO2 nano-composite coatings. *Surface and Coatings Technology* , **2010**, 204, 2493-2498	4.4	144
287	ZnO thin films produced by magnetron sputtering. *Ceramics International*, **2004**, 30, 1155-1159	5.1	134
286	A feasibility study of agricultural and sewage biomass as biochar, bioenergy and biocomposite feedstock: production, characterization and potential applications. *Science of the Total Environment* , **2015**, 512-513, 495-505	10.2	123
285	Ag/ZnO heterostructures and their photocatalytic activity under visible light: effect of reducing medium. *Journal of Hazardous Materials*, **2015**, 287, 59-68	12.8	108
284	Electroless nickel plating on AZ91 Mg alloy substrate. *Surface and Coatings Technology*, **2006**, 200, 5087-5093	4.4	108
283	ZnO/TiO2 coreBrush nanostructure: processing, microstructure and enhanced photocatalytic activity. *Journal of Materials Chemistry*, **2012**, 22, 5629		98
282	Preparation and thermal properties of fatty acid/diatomite form-stable composite phase change material for thermal energy storage. *Solar Energy Materials and Solar Cells*, **2018**, 178, 273-279	6.4	90
281	Effects of Mg on microstructure and corrosion properties of ZnMg alloy. *Journal of Alloys and Compounds*, **2014**, 602, 101-107	5.7	90
280	Comparative photocatalytic degradation of estrone in water by ZnO and TiO2 under artificial UVA and solar irradiation. *Chemical Engineering Journal*, **2012**, 213, 150-162	14.7	89
279	The effect of substrate on the electroless nickel plating of Mg and Mg alloys. *Surface and Coatings Technology*, **2006**, 200, 3553-3560	4.4	89
278	Template Growth of ZnO Nanorods and Microrods with Controllable Densities. *Crystal Growth and Design*, **2008**, 8, 2406-2410	3.5	83
277	Low-temperature processing of FeAl intermetallic coatings assisted by ball milling. *Intermetallics*, **2006**, 14, 75-81	3.5	80

276	Enhanced visible light photodegradation activity of RhB/MB from aqueous solution using nanosized novel Fe-Cd co-modified ZnO. *Scientific Reports*, **2018**, 8, 10691	4.9	77
275	Synthesis and properties of electrodeposited Ni□CeO2 composite coatings. *Materials & Design*, **2014**, 59, 421-429		69
274	Partially crystallized TiO2 for microwave absorption. *Journal of Materials Chemistry A*, **2015**, 3, 5285-5288	13	68
273	Sol-enhanced electroplating of nanostructured Ni□TiO2 composite coatings□The effects of sol concentration on the mechanical and corrosion properties. *Electrochimica Acta*, **2010**, 55, 6865-6871	6.7	66
272	Electrodeposition of sol-enhanced nanostructured Ni-TiO2 composite coatings. *Surface and Coatings Technology*, **2010**, 204, 2487-2492	4.4	63
271	Properties of electrodeposited Ni□Al2O3 composite coatings. *Materials & Design*, **2014**, 64, 127-135		59
270	Electrodeposition of single gamma phased Zn□Ni alloy coatings from additive-free acidic bath. *Applied Surface Science*, **2014**, 311, 635-642	6.7	58
269	Adsorption of ethinylestradiol (EE2) on polyamide 612: molecular modeling and effects of water chemistry. *Water Research*, **2013**, 47, 2273-84	12.5	58
268	A novel process of electroless Ni-P plating with plasma electrolytic oxidation pretreatment. *Applied Surface Science*, **2006**, 253, 2988-2991	6.7	57
267	Electro-spark deposition of Fe-based amorphous alloy coatings. *Materials Letters*, **2007**, 61, 165-167	3.3	56
266	NaBH4 modified TiO2: Defect site enhancement related to its photocatalytic activity. *Materials Chemistry and Physics*, **2017**, 199, 571-576	4.4	52
265	Double-layered Ni-P/Ni-P-ZrO2 electroless coatings on AZ31 magnesium alloy with improved corrosion resistance. *Surface and Coatings Technology*, **2015**, 261, 161-166	4.4	51
264	Effects of strontium on microstructure and mechanical properties of as-cast Mg□wt.%Sn alloy. *Journal of Alloys and Compounds*, **2010**, 504, 345-350	5.7	51
263	Preparation and property of sol-enhanced Ni□TiO 2 nano-composite coatings. *Journal of Alloys and Compounds*, **2014**, 617, 472-478	5.7	50
262	Microstructure formation in partially melted zone during gas tungsten arc welding of AZ91 Mg cast alloy. *Materials Characterization*, **2008**, 59, 1550-1558	3.9	50
261	Capturing hormones and bisphenol A from water via sustained hydrogen bond driven sorption in polyamide microfiltration membranes. *Water Research*, **2013**, 47, 197-208	12.5	48
260	Incipient melting in partially melted zone during arc welding of AZ91D magnesium alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2006**, 416, 246-252	5.3	48
259	Microstructure and properties of sol-enhanced Ni-Co-TiO2 nano-composite coatings on mild steel. *Journal of Alloys and Compounds*, **2015**, 649, 222-228	5.7	47

258	Photocatalytic TiO2 nanoparticles enhanced polymer antimicrobial coating. *Applied Surface Science*, **2014**, 290, 274-279	6.7	47
257	Hot corrosion behaviour of TiAl based intermetallics. *Materials Letters*, **2002**, 57, 834-843	3.3	46
256	Effects of Sn addition on the microstructure and mechanical properties of as-cast, rolled and annealed Mg4Zn alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2013**, 585, 139-148	5.3	45
255	Duplex NiPZrO2/NiP electroless coating on stainless steel. *Journal of Alloys and Compounds*, **2015**, 630, 189-194	5.7	43
254	Influence of post-annealing conditions on properties of ZnO:Ag films. *Solid State Communications*, **2008**, 145, 479-481	1.6	42
253	Oxidation behavior of Ni3Al and FeAl intermetallics under low oxygen partial pressures. *Intermetallics*, **2002**, 10, 263-270	3.5	42
252	Hydrogen peroxide generation and photocatalytic degradation of estrone by microstructural controlled ZnO nanorod arrays. *Applied Surface Science*, **2012**, 263, 389-396	6.7	40
251	Effect of Mg content on microstructure and corrosion behavior of hot dipped ZnAlMg coatings. *Journal of Alloys and Compounds*, **2016**, 670, 239-248	5.7	38
250	Microstructure and optical properties of Ag-doped ZnO nanostructures prepared by a wet oxidation doping process. *Nanotechnology*, **2011**, 22, 105706	3.4	38
249	Crystalline phase formation, microstructure and mechanical properties of a lithium disilicate glass–ceramic. *Journal of Materials Science*, **2013**, 48, 251-257	4.3	36
248	Growth process, crystal size and alignment of ZnO nanorods synthesized under neutral and acid conditions. *Journal of Alloys and Compounds*, **2015**, 629, 84-91	5.7	36
247	Fabrication and characterization of electroless NiPZrO2 nano-composite coatings. *Applied Nanoscience (Switzerland)*, **2011**, 1, 19-26	3.3	35
246	Enhanced extrinsic dielectric response of TiO2 modified CaCu3Ti4O12 ceramics. *Ceramics International*, **2015**, 41, 13447-13454	5.1	34
245	Nucleation and Crystallization Kinetics of a Multicomponent Lithium Disilicate Glass by in Situ and Real-Time Synchrotron X-ray Diffraction. *Crystal Growth and Design*, **2013**, 13, 4031-4038	3.5	34
244	Protection of a Ti3AlNb alloy by electro-spark deposition coating. *Scripta Materialia*, **2001**, 45, 1099-1105	3.6	34
243	Corrosion resistance of ZnAl co-cementation coatings on carbon steels. *Materials Letters*, **2002**, 56, 554-559	3.3	34
242	The effect of pulse electroplating on ZnNi alloy and ZnNiAl2O3 composite coatings. *Journal of Alloys and Compounds*, **2015**, 622, 918-924	5.7	33
241	Chemisorption of estrone in nylon microfiltration membranes: Adsorption mechanism and potential use for estrone removal from water. *Water Research*, **2012**, 46, 873-81	12.5	33

240	Synthesis of Nanostructured NiTiO[sub 2] Composite Coatings by Sol-Enhanced Electroplating. *Journal of the Electrochemical Society*, **2010**, 157, E122	3.9	33
239	Surface Wettability of Nanostructured Zinc Oxide Films. *Journal of Electronic Materials*, **2009**, 38, 601-608	2.9	33
238	Fabrication of a high-strength lithium disilicate glass-ceramic in a complex glass systemPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. *Journal of Asian Ceramic Societies*, **2013**, 1, 46-52	2.4	31
237	Removal of ethinylestradiol (EE2) from water via adsorption on aliphatic polyamides. *Water Research*, **2012**, 46, 5715-5724	12.5	31
236	Nanoindentation study of electrodeposited Ag thin coating: An inverse calculation of anisotropic elastic-plastic properties. *Surface and Coatings Technology*, **2017**, 310, 43-50	4.4	30
235	Improved Oxide Spallation Resistance of Microcrystalline Ni-Cr-Al Coatings. *Oxidation of Metals*, **1998**, 50, 51-69	1.6	30
234	Sorption of 17β-estradiol from aqueous solutions on to bone char derived from waste cattle bones: Kinetics and isotherms. *Journal of Environmental Chemical Engineering*, **2015**, 3, 1562-1569	6.8	29
233	Growth mechanism of ZnO nanostructures in wet-oxidation process. *Thin Solid Films*, **2011**, 519, 1837-1844	1.9	29
232	Removal of Methylene Blue from Aqueous Solution by Bone Char. *Applied Sciences (Switzerland)*, **2018**, 8, 1903	2.6	29
231	Mechanical properties and microstructure of Au–NiTiO2 nano-composite coatings. *Materials Characterization*, **2015**, 102, 189-194	3.9	28
230	Dissolution of Eutectic β-Mg17Al12 Phase in Magnesium AZ91 Cast Alloy at Temperatures Close to Eutectic Temperature. *Journal of Materials Engineering and Performance*, **2010**, 19, 860-867	1.6	28
229	Synthesis, characterization and photocatalytic property of novel ZnO/bone char composite. *Materials Research Bulletin*, **2018**, 102, 45-50	5.1	27
228	ZnO NANOPOROUS DISK–TiO2 NANOPARTICLE HYBRID FILM ELECTRODE FOR DYE-SENSITIZED SOLAR CELLS. *Functional Materials Letters*, **2009**, 02, 27-31	1.2	27
227	The effect of Ag on the microstructure and properties of Bi(Pb)-Sr-Ca-Cu oxide/Ag superconducting microcomposites produced by oxidation of metallic precursor alloys. *Physica C: Superconductivity and Its Applications*, **1990**, 167, 395-407	1.3	26
226	Enhancing photocatalytic activities of titanium dioxide via well-dispersed copper nanoparticles. *Chemosphere*, **2018**, 204, 193-201	8.4	25
225	Thermal energy storage properties and thermal reliability of PEG/bone char composite as a form-stable phase change material. *Journal of Thermal Analysis and Calorimetry*, **2018**, 132, 1753-1761	4.1	25
224	Renucleation and Sequential Growth of ZnO Complex Nano/Microstructure: From Nano/Microrod to Ball-Shaped Cluster. *Journal of Physical Chemistry C*, **2010**, 114, 1436-1443	3.8	25
223	Reduction of oxide scale on hot-rolled strip steels by carbon monoxide. *Materials Letters*, **2008**, 62, 3500-3502	3.3	25

222	Effects of Chromium on the Oxidation Performance of FeAlCr Coatings. *Oxidation of Metals*, **2000**, 54, 189-209	1.6	25
221	Effect of cooling conditions during casting on fraction of Mg17Al12 in Mg9Al1Zn cast alloy. *Journal of Alloys and Compounds*, **2010**, 501, 291-296	5.7	24
220	Standard free energy change of formation per unit volume: a new parameter for evaluating nucleation and growth of oxides, sulphides, carbides and nitrides. *Materials Research Innovations*, **1997**, 1, 157-160	1.9	24
219	Improving oxidation resistance of Ti3Al and TiAl intermetallic compounds with electro-spark deposit coatings. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2003**, 347, 243-252	5.3	23
218	Development and Properties of Polymeric Nanocomposite Coatings. *Polymers*, **2019**, 11,	4.5	22
217	Effects of Mg content on microstructure and electrochemical properties of ZnAlMg alloys. *Journal of Alloys and Compounds*, **2015**, 645, 131-136	5.7	22
216	Electrochemical studies of sol-enhanced ZnNiAl2O3 composite and ZnNi alloy coatings. *Journal of Electroanalytical Chemistry*, **2015**, 755, 63-70	4.1	22
215	Microstructure, growth process and enhanced photocatalytic activity of immobilized hierarchical ZnO nanostructures. *RSC Advances*, **2013**, 3, 21666	3.7	22
214	Trace phase formation, crystallization kinetics and crystallographic evolution of a lithium disilicate glass probed by synchrotron XRD technique. *Scientific Reports*, **2015**, 5, 9159	4.9	22
213	Increasing the critical current density of BSCCO/Ag superconducting microcomposites by mechanical deformation. *Physica C: Superconductivity and Its Applications*, **1991**, 181, 105-120	1.3	22
212	Microstructure and properties of sol-enhanced Co-P-TiO2 nano-composite coatings. *Journal of Alloys and Compounds*, **2019**, 792, 617-625	5.7	21
211	Superhydrophobic surface of TiO2 hierarchical nanostructures fabricated by Ti anodization. *Journal of Colloid and Interface Science*, **2014**, 420, 97-100	9.3	21
210	Polymer antimicrobial coatings with embedded fine Cu and Cu salt particles. *Applied Microbiology and Biotechnology*, **2014**, 98, 6265-74	5.7	21
209	Nanostructures of zinc oxide. *International Journal of Nanotechnology*, **2009**, 6, 245	1.5	21
208	In situ formation of Ag/ZnO heterostructure arrays during synergistic photocatalytic process for SERS and photocatalysis. *Journal of the Taiwan Institute of Chemical Engineers*, **2018**, 88, 277-285	5.3	21
207	Magnetic carbon nanotubes for self-regulating temperature hyperthermia.. *RSC Advances*, **2018**, 8, 11997-12003	3.7	20
206	A near-ultraviolet (NUV) converting green-yellow Ca2AlMg0.5Si1.5O7:Eu2+ phosphor for white light-emitting-diodes (w-LEDs). *Chemical Engineering Journal*, **2014**, 254, 486-490	14.7	20
205	The effects of pre-oxidation and thin Y2O3 coating on the selective oxidation of Cr18Ni9Ti steel. *Materials Letters*, **2004**, 58, 807-812	3.3	20

204	Oxidation Resistance of Boiler Steels with Al2O3–Y2O3 Nano- and Micro-Composite Coatings Produced by Sol–Gel Process. *Materials Transactions*, **2005**, 46, 2089-2092	1.3	20
203	Correlation of microstructure and high temperature oxidation resistance of plasma sprayed NiCrAl, NiCrAlY, and TiAlO composite coatings on Ti6Al4V. *Metals and Materials International*, **2005**, 11, 499-503	2.4	20
202	The formation of superconducting phases in Bi(Pb)SrCaCu oxide/Ag microcomposites produced by oxidation of metallic precursor alloys. *Journal of Materials Research*, **1990**, 5, 2633-2645	2.5	20
201	Structural Response of Lithium Disilicate in Glass Crystallization. *Crystal Growth and Design*, **2014**, 14, 5144-5151	3.5	19
200	Investigation of phase evolution of CaCu3Ti4O12 (CCTO) by in situ synchrotron high-temperature powder diffraction. *Journal of Solid State Chemistry*, **2014**, 211, 58-62	3.3	19
199	Codeposited ZnMg coating with improved mechanical and anticorrosion properties. *Surface and Coatings Technology*, **2013**, 219, 126-130	4.4	19
198	Cladding inner surface of steel tubes with Al foils by ball attrition and heat treatment. *Surface and Coatings Technology*, **2006**, 201, 2684-2689	4.4	19
197	ZnNiAl2O3 nano-composite coatings prepared by sol-enhanced electroplating. *Applied Surface Science*, **2015**, 351, 869-879	6.7	18
196	Rhenium used as an interlayer between carbon–carbon composites and iridium coating: Adhesion and wettability. *Surface and Coatings Technology*, **2013**, 235, 68-74	4.4	18
195	Adsorption of estrone in microfiltration membrane filters. *Chemical Engineering Journal*, **2010**, 165, 819-826	4.7	18
194	Preparation of aluminide coatings at relatively low temperatures. *Transactions of Nonferrous Metals Society of China*, **2006**, 16, 647-653	3.3	18
193	Wearable Flexible Strain Sensor Based on Three-Dimensional Wavy Laser-Induced Graphene and Silicone Rubber. *Sensors*, **2020**, 20,	3.8	18
192	Long-term high-temperature oxidation of iridium coated rhenium by electrical resistance heating method. *International Journal of Refractory Metals and Hard Materials*, **2014**, 44, 42-48	4.1	17
191	Physicochemical characterisation of electrosynthesized lead dioxide coatings on Ti/SnO2-Sb substrates. *Electrochimica Acta*, **2013**, 113, 446-453	6.7	17
190	In situ high-temperature crystallographic evolution of a nonstoichiometric Li2O–2SiO2 glass. *Inorganic Chemistry*, **2013**, 52, 14188-95	5.1	17
189	Zinc oxide nanostructures and porous films produced by oxidation of zinc precursors in wet-oxygen atmosphere. *Progress in Natural Science: Materials International*, **2011**, 21, 81-96	3.6	17
188	Enhanced photocatalytic performance of ZnO/bone char composites. *Materials Letters*, **2017**, 205, 233-235	3.5	16
187	Double-layer iridium–aluminum intermetallic coating on iridium/rhenium coated graphite prepared by pack cementation. *Surface and Coatings Technology*, **2014**, 258, 524-530	4.4	16

186	Nanocrystalline/nanoporous ZnO spheres, hexapods and disks transformed from zinc fluorohydroxide, their self-assembly and patterned growth. *CrystEngComm*, **2011**, 13, 4741	3.3	16
185	Microstructure and mechanical properties of VN/SiO2 nanomultilayers synthesized by reactive sputtering. *Materials Letters*, **2008**, 62, 1621-1623	3.3	16
184	SCRATCH ADHESION EVALUATION OF ELECTROLESS NICKEL PLATING ON Mg AND Mg ALLOYS. *International Journal of Modern Physics B*, **2006**, 20, 4637-4642	1.1	16
183	Use of a Solid-State Oxygen Pump to Study Oxidation Kinetics of Cr and Mo. *Oxidation of Metals*, **2000**, 53, 577-596	1.6	16
182	Electro-Spark Deposition Coatings for High Temperature Oxidation Resistance. *High Temperature Materials and Processes*, **2000**, 19, 443-458	0.9	16
181	High Temperature Oxidation Resistant Coatings Produced by Electro-Spark Deposition. *Materials Science Forum*, **2001**, 369-372, 579-586	0.4	16
180	Effect of doping Gd3+ on crystal structure and luminescent properties of Sr2SiO4:Eu2+ phosphor. *Journal of Rare Earths*, **2015**, 33, 693-699	3.7	15
179	Transmission electron microscopy analysis of hydroxyapatite nanocrystals from cattle bones. *Materials Characterization*, **2015**, 109, 73-78	3.9	15
178	Electro-codeposition of Al2O3–Y2O3 composite thin film coatings and their high-temperature oxidation resistance on γ-TiAl alloy. *Thin Solid Films*, **2012**, 520, 2060-2065	2.2	15
177	Thermal stability and tensile properties of sol-enhanced nanostructured Ni–TiO2 composites. *Composites Part A: Applied Science and Manufacturing*, **2011**, 42, 1627-1634	8.4	15
176	Effects of Pb/Sn additions on the age-hardening behaviour of Mg–Zn alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2014**, 597, 52-61	5.3	14
175	TiO2 with hybrid nanostructures via anodization: fabrication and its mechanism. *Scripta Materialia*, **2013**, 69, 374-376	5.6	14
174	Sol-enhanced triple-layered Ni–P–TiO2 composite coatings. *Journal of Sol-Gel Science and Technology*, **2010**, 55, 187-190	2.3	14
173	The effect of sintering on the properties of Ba0.7Sr0.3TiO3 ferroelectric films produced by electrophoretic deposition. *Materials Letters*, **2004**, 58, 1387-1391	3.3	14
172	Anodization of NiTi alloy in an ethylene glycol electrolyte. *Surface and Coatings Technology*, **2014**, 252, 142-147	4.4	13
171	Zn3(VO4)2 prepared by magnetron sputtering: microstructure and optical property. *Applied Nanoscience (Switzerland)*, **2013**, 3, 535-542	3.3	13
170	Thermally driven V2O5 nanocrystal formation and the temperature-dependent electronic structure study. *CrystEngComm*, **2012**, 14, 626-631	3.3	13
169	Self-organized ZnO nanorods prepared by anodization of zinc in NaOH electrolyte. *RSC Advances*, **2016**, 6, 72968-72974	3.7	13

168	Consumer-grade polyurethane foam functions as a large and selective absorption sink for bisphenol A in aqueous media. *Journal of Materials Chemistry A*, **2015**, 3, 8870-8881	13	12
167	Au-Ni-TiO2Nano-Composite Coatings Prepared by Sol-Enhanced Method. *Journal of the Electrochemical Society*, **2014**, 161, D775-D781	3.9	12
166	Negative differential resistance of a metal□nsulator□metal device with gold nanoparticles embedded in polydimethylsiloxane. *Solid State Communications*, **2012**, 152, 835-838	1.6	12
165	Remarkable sorption properties of polyamide 12 microspheres for a broad-spectrum antibacterial (triclosan) in water. *Journal of Materials Chemistry A*, **2013**, 1, 4941	13	12
164	The influence of sintering conditions on the dielectric and piezoelectric properties of PbZrTiO□PbMgNbO ceramic tubes. *Journal of Alloys and Compounds*, **2009**, 470, 465-469	5.7	12
163	Cathodic Micro-Arc Electrodeposition of Thick Ceramic Coatings. *Electrochemical and Solid-State Letters*, **2002**, 5, C33		12
162	Oxidation behavior of micro- and nano-crystalline coatings deposited by series double-pole electro-pulse discharge. *Materials Letters*, **2002**, 56, 85-92	3.3	12
161	Pulse gas-assisted multi-needle electrospinning of nanofibers. *Advanced Composites and Hybrid Materials*, **2020**, 3, 98-113	8.7	12
160	Microwave-Assisted Synthesis of High Dielectric Constant CaCu3Ti4O12 from Sol□el Precursor. *Journal of Electronic Materials*, **2015**, 44, 2243-2249	1.9	11
159	Effects of Mg on morphologies and properties of hot dipped Zn□Mg coatings. *Surface and Coatings Technology*, **2014**, 260, 39-45	4.4	11
158	Corrosion behaviour of Ti3Al and Ti3Al□1 at.% Nb intermetallics. *Materials Letters*, **2003**, 57, 1528-1538	3.3	11
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156	Effects of Bi Addition on the Microstructure and Mechanical Properties of Nanocrystalline Ag Coatings. *Materials*, **2017**, 10,	3.5	10
155	High-temperature diffusion in couple of chemical vapor deposited rhenium and electrodeposited iridium. *International Journal of Refractory Metals and Hard Materials*, **2013**, 41, 563-570	4.1	10
154	Microstructures and properties of sol-enhanced nanostructured metal-oxide composite coatings. *Progress in Natural Science: Materials International*, **2011**, 21, 355-362	3.6	10
153	Aluminide Coatings Formed on Fe□3Cr Steel at Low Temperature and its Oxidation Resistance. *Oxidation of Metals*, **2007**, 68, 243-251	1.6	10
152	The degradation behavior of high-Tc BSCCO/Ag superconducting microcomposites in water. *Materials Letters*, **1991**, 12, 47-53	3.3	10
151	Factors effecting the freeze thaw process in soils and reduction in damage due to frosting with reinforcement: a review. *Bulletin of Engineering Geology and the Environment*, **2019**, 78, 5001-5010	4	10

150	TiO2 used as photocatalyst for rhodamine B degradation under solar radiation. *International Journal of Modern Physics B*, **2017**, 31, 1744095	1.1	9
149	Probing the specificity of polyurethane foam as a 'solid-phase extractant': Extractability-governing molecular attributes of lipophilic phenolic compounds. *Talanta*, **2017**, 172, 186-198	6.2	9
148	How voltage dictates anodic TiO 2 formation. *Scripta Materialia*, **2015**, 94, 32-35	5.6	9
147	Influence of Bi addition on the property of Ag-Bi nano-composite coatings. *Surface and Coatings Technology*, **2018**, 349, 217-223	4.4	9
146	TiO2/ZnO nanocomposite, ZnO/ZnO bi-level nanostructure and ZnO nanorod arrays: microstructure and time-affected wettability change in ambient conditions. *RSC Advances*, **2014**, 4, 30658-30665	3.7	9
145	Effects of lead addition on the microstructure and mechanical properties of as-cast Mg4Zn alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2012**, 550, 199-205	5.3	9
144	Physicochemical Characterization of Electrosynthesized PbO2Coatings: The Effect of Pb2+Concentration and Current Density. *Journal of the Electrochemical Society*, **2014**, 161, D327-D332	3.9	9
143	Photocatalytic activities of wet oxidation synthesized ZnO and ZnOTiO2 thick porous films. *Applied Nanoscience (Switzerland)*, **2011**, 1, 37-44	3.3	9
142	Luminescence properties of spark-processed GaP. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2001**, 85, 1-5	3.1	9
141	Synthesis of superconducting microcomposite coatings by melt-dipping and oxidation of Bi-Pb-Sr-Ca-Cu-Ag metallic precursor alloys. *Physica C: Superconductivity and Its Applications*, **1990**, 171, 69-76	1.3	9
140	Adsorption behavior of methylene blue by bone char. *International Journal of Modern Physics B*, **2017**, 31, 1744099	1.1	8
139	Preparation and property of duplex NiBTiO2/Ni nano-composite coatings. *International Journal of Modern Physics B*, **2015**, 29, 1540022	1.1	8
138	Synthesis of ZnO submicron spheres by a two-stage solution method. *Applied Nanoscience (Switzerland)*, **2012**, 2, 63-70	3.3	8
137	A multi-layered polydimethylsiloxane structure for application in low-excitation, broadband and low frequency energy harvesting. *Sensors and Actuators A: Physical*, **2015**, 222, 140-148	3.9	8
136	Near-Net Ceramic Micro-Tubes Fabricated by Electrophoretic Deposition Process. *International Journal of Modern Physics B*, **2003**, 17, 1147-1151	1.1	8
135	Nano-Laminated ZrO[sub 2]-Al[sub 2]O[sub 3] Films Prepared by Electrochemical Deposition. *Electrochemical and Solid-State Letters*, **2005**, 8, C89		8
134	NANO-CRYSTAL ALLOY AND ALLOY-OXIDE COATINGS AND THEIR HIGH-TEMPERATURE CORROSION PROPERTIES. *International Journal of Modern Physics B*, **2002**, 16, 128-136	1.1	8
133	Oxidation behaviour of stainless steelAl coatings produced by co-sputtering and reactive sputtering. *Materials Letters*, **2000**, 46, 53-59	3.3	8

132	Formation of interfacial voids in cast and micro-grained γ-Ni3Al during high temperature oxidation. *Intermetallics*, **2000**, 8, 1385-1391	3.5	8
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