

Liang Zhen

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.

300
papers

8,631
citations

50
h-index

77
g-index

312
ext. papers

9,808
ext. citations

5.5
avg, IF

6.28
L-index

#	Paper	IF	Citations
300	Correlation between precipitates evolution and mechanical properties of Al-Sc-Zr alloy with Er additions. <i>Journal of Materials Science and Technology</i> , 2022 , 99, 61-72	9.1	9
299	Bifunctional WC-Supported RuO ₂ Nanoparticles for Robust Water Splitting in Acidic Media.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	9
298	Encapsulating atomic molybdenum into hierarchical nitrogen-doped carbon nanoboxes for efficient oxygen reduction.. <i>Journal of Colloid and Interface Science</i> , 2022 , 620, 67-76	9.3	2
297	Charge Transfer at the Hetero-Interface of WSe ₂ /InSe Induces Efficient Doping to Achieve Multi-Functional Lateral Homo-Junctions. <i>Advanced Electronic Materials</i> , 2021 , 7, 2100584	6.4	1
296	Strain engineering of quasi-1D layered TiS ₃ nanosheets toward giant anisotropic Raman and piezoresistance responses. <i>Applied Physics Letters</i> , 2021 , 119, 201903	3.4	1
295	2D Indium Phosphorus Sulfide (In P S): An Emerging van der Waals High-k Dielectrics. <i>Small</i> , 2021 , e2104401	4.1	2
294	Data mining and design of electromagnetic properties of Co/FeSi filled coatings based on genetic algorithms optimized artificial neural networks (GA-ANN). <i>Composites Part B: Engineering</i> , 2021 , 226, 109383	10	1
293	Effects of interfacial wettability on arc erosion behavior of Zn ₂ SnO ₄ /Cu electrical contacts. <i>Journal of Materials Science and Technology</i> , 2021 , 109, 64-64	9.1	1
292	Lowering the Contact Barriers of 2D Organic F CuPc Field-Effect Transistors by Introducing Van der Waals Contacts. <i>Small</i> , 2021 , 17, e2007739	11	2
291	Effect of Pre-Stretch on the Precipitation Behavior and the Mechanical Properties of 2219 Al Alloy. <i>Materials</i> , 2021 , 14,	3.5	2
290	Topotactic Growth of Free-Standing Two-Dimensional Perovskite Niobates with Low Symmetry Phase. <i>Nano Letters</i> , 2021 , 21, 4700-4707	11.5	3
289	Tailoring the Energy Funneling across the Interface in InSe/MoS ₂ Heterostructures by Electrostatic Gating and Strain Engineering. <i>Advanced Optical Materials</i> , 2021 , 9, 2100438	8.1	3
288	Flaky FeSi particles with tunable size, morphology and microstructure developing for high-efficiency and broadband absorbing materials. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 527, 167800	2.8	1
287	Self-Assembly of 2D Nanosheets into 1D Nanostructures for Sensing NO ₂ . <i>Small Structures</i> , 2021 , 2, 2108067	8.7	3
286	Electrochemical Intercalation in Atomically Thin van der Waals Materials for Structural Phase Transition and Device Applications. <i>Advanced Materials</i> , 2021 , 33, e2000581	24	4
285	Mechanistic insights into interfaces and nitrogen vacancies in cobalt hydroxide/tungsten nitride catalysts to enhance alkaline hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 11323-11330 ¹³		6
284	Particle-stimulated nucleation and recrystallization texture initiated by coarsened Al ₂ CuLi phase in AlCuLi alloy. <i>Journal of Materials Research and Technology</i> , 2021 , 10, 643-650	5.5	6

283	Tuning the Energy Storage Efficiency in PVDF Nanocomposites Incorporated with Crumpled CoreShell BaTiO ₃ @Graphene Oxide Nanoparticles. <i>ACS Applied Energy Materials</i> , 2021 , 4, 9553-9562	6.1	3
282	Facile synthesis of porous Cu-Sn alloy electrode with prior selectivity of formate in a wide potential range for CO ₂ electrochemical reduction. <i>Applied Catalysis B: Environmental</i> , 2021 , 292, 120119	21.8	19
281	2D-1D mixed-dimensional heterostructures: progress, device applications and perspectives. <i>Journal of Physics Condensed Matter</i> , 2021 , 33,	1.8	1
280	Mechanical Anisotropy in Two-Dimensional Selenium Atomic Layers. <i>Nano Letters</i> , 2021 , 21, 8043-8050	11.5	3
279	Sulfur vacancies promoting Fe-doped Ni ₃ S ₂ nanopyramid arrays as efficient bifunctional electrocatalysts for overall water splitting. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 3326-3333	5.8	20
278	Folded sheet resonators that aim at low frequency attenuation of surface elastic waves in solids. <i>Journal of Applied Physics</i> , 2020 , 127, 164904	2.5	3
277	Highly reversible oxygen redox in layered compounds enabled by surface polyanions. <i>Nature Communications</i> , 2020 , 11, 3411	17.4	25
276	Boosting the rate and cycling performance of V ₂ O ₅ nanorods for Li ion battery by electrode surface decoration. <i>Applied Surface Science</i> , 2020 , 512, 145622	6.7	2
275	Reviving reversible anion redox in 3d-transition-metal Li rich oxides by introducing surface defects. <i>Nano Energy</i> , 2020 , 71, 104644	17.1	13
274	MOF-Derived CuO/Cu Nanospheres Anchored in Nitrogen-Doped Hollow Porous Carbon Framework for Increasing the Selectivity and Activity of Electrochemical CO ₂ -to-Formate Conversion. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 7030-7037	9.5	32
273	Sandwich-like cobalt/reduced graphene oxide/cobalt composite structure presenting synergetic electromagnetic loss effect. <i>Journal of Colloid and Interface Science</i> , 2020 , 561, 687-695	9.3	12
272	Effects of coarse Al ₂ CuLi phase on the hot deformation behavior of AlLi alloy. <i>Journal of Alloys and Compounds</i> , 2020 , 815, 152469	5.7	15
271	Designing Co ₇ Fe ₃ @TiO ₂ CoreShell Nanospheres for Electromagnetic Wave Absorption in S and C Bands. <i>Electronic Materials Letters</i> , 2020 , 16, 413-423	2.9	6
270	Decorated membrane resonators as underground seismic wave barriers against high magnitude earthquakes. <i>Journal of Applied Physics</i> , 2020 , 128, 084902	2.5	
269	Selective CO ₂ -to-formate electrochemical conversion with coreshell structured Cu ₂ O/Cu@C composites immobilized on nitrogen-doped graphene sheets. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 18302-18309	13	15
268	Anisotropic Signal Processing with Trigonal Selenium Nanosheet Synaptic Transistors. <i>ACS Nano</i> , 2020 , 14, 10018-10026	16.7	22
267	Few-layer WSe ₂ lateral homo- and hetero-junctions with superior optoelectronic performance by laser manufacturing. <i>Science China Technological Sciences</i> , 2020 , 63, 1531-1537	3.5	3
266	An underground barrier of locally resonant metamaterial to attenuate surface elastic waves in solids. <i>AIP Advances</i> , 2020 , 10, 075121	1.5	1

265	Texture evolution and recrystallization mechanism in a Mg ₃ Al ₂ Zn alloy under ballistic impact. <i>Journal of Alloys and Compounds</i> , 2020 , 816, 152599	5.7	5
264	Charge Transport Behavior and Ultrasensitive Photoresponse Performance of Exfoliated F16CuPc Nanoflakes. <i>Advanced Optical Materials</i> , 2019 , 7, 1901097	8.1	2
263	Electrochemical reduction of carbon dioxide to formate via nano-prism assembled CuO microspheres. <i>Chemosphere</i> , 2019 , 237, 124527	8.4	10
262	Segregation of the major alloying elements to Al ₃ (Sc,Zr) precipitates in an Al ₃ ZnMgCuScZr alloy. <i>Materials Characterization</i> , 2019 , 157, 109898	3.9	18
261	Adhesion and electronic structures of Cu/Zn ₂ SnO ₄ interfaces: A first-principles study. <i>Journal of Applied Physics</i> , 2019 , 125, 225303	2.5	3
260	The effect of Cu and Sc on the localized corrosion resistance of Al-Zn-Mg-X alloys. <i>Journal of Alloys and Compounds</i> , 2019 , 799, 1-14	5.7	36
259	Ultrathin CoS nanosheets vertically aligned on N,S/rGO for low voltage electrolytic water in alkaline media. <i>Scientific Reports</i> , 2019 , 9, 1951	4.9	25
258	PEGylated Tantalum Nanoparticles: A Metallic Photoacoustic Contrast Agent for Multiwavelength Imaging of Tumors. <i>Small</i> , 2019 , 15, e1903596	11	13
257	Tuning the pore structure of porous tin foam electrodes for enhanced electrochemical reduction of carbon dioxide to formate. <i>Chemical Engineering Journal</i> , 2019 , 375, 122024	14.7	33
256	Highly localized shear deformation in a Mg ₃ AlMn alloy subjected to ballistic impact. <i>Vacuum</i> , 2019 , 169, 108868	3.7	6
255	Hybrid dual-channel phototransistor based on 1D t-Se and 2D ReS ₂ mixed-dimensional heterostructures. <i>Nano Research</i> , 2019 , 12, 669-674	10	22
254	Influence of Mg content on ageing precipitation behavior of Al-Cu-Li-x alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 742, 138-149	5.3	22
253	Enhancement of strength and electrical conductivity for a dilute Al-Sc-Zr alloy via heat treatments and cold drawing. <i>Journal of Materials Science and Technology</i> , 2019 , 35, 962-971	9.1	35
252	Salt-templated synthesis of Co ₉ S ₈ nanoparticles anchored on N, S co-doped carbon nanosheets towards high-performance water oxidation. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 835, 67-72	4.1	5
251	Construction of FeP Hollow Nanoparticles Densely Encapsulated in Carbon Nanosheet Frameworks for Efficient and Durable Electrocatalytic Hydrogen Production. <i>Advanced Science</i> , 2019 , 6, 1801490	13.6	44
250	In-situ growth of graphene decorated Ni ₃ S ₂ pyramids on Ni foam for high-performance overall water splitting. <i>Applied Surface Science</i> , 2019 , 465, 772-779	6.7	30
249	Liquid Exfoliation of Colloidal Rhenium Disulfide Nanosheets as a Multifunctional Theranostic Agent for In Vivo Photoacoustic/CT Imaging and Photothermal Therapy. <i>Small</i> , 2018 , 14, e1703789	11	45
248	Air arc erosion behavior of CuZr/Zn ₂ SnO ₄ electrical contact materials. <i>Journal of Alloys and Compounds</i> , 2018 , 743, 697-706	5.7	12

247	Topochemical synthesis of ultrathin nanosheet-constructed Fe ₃ O ₄ hierarchical structures as high-performance anode for Li-ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 7805-7810	2.1	4
246	Rational Construction of Uniform CoNi-Based Core-Shell Microspheres with Tunable Electromagnetic Wave Absorption Properties. <i>Scientific Reports</i> , 2018 , 8, 3196	4.9	23
245	Effects of long-term natural aging on the altered surface layer on an Al-Zn-Mg-Cu alloy and on corrosion properties. <i>Electrochimica Acta</i> , 2018 , 266, 34-42	6.7	7
244	Constructing yolk-shell MnO@C nanodiscs through a carbothermal reduction process for highly stable lithium storage. <i>Chemical Engineering Journal</i> , 2018 , 336, 427-435	14.7	38
243	Natural Humic-Acid-Based Phototheranostic Agent. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701202	10.1	20
242	Effects of dopants on the adhesion and electronic structure of a SnO/Cu interface: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 15618-15625	3.6	6
241	Biocompatible Fe-TA coordination complex with high photothermal conversion efficiency for ablation of cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 167, 183-190	6	30
240	Microstructure evolution of polyimide films induced by electron beam irradiation-load coupling treatment. <i>Polymer Degradation and Stability</i> , 2018 , 155, 230-237	4.7	5
239	Microstructure Evolution and the Resulted Influence on Localized Corrosion in Al-Zn-Mg-Cu Alloy during Non-Isothermal Ageing. <i>Materials</i> , 2018 , 11,	3.5	9
238	Encapsulating MnO nanoparticles within foam-like carbon nanosheet matrix for fast and durable lithium storage. <i>Nano Energy</i> , 2018 , 50, 675-684	17.1	69
237	Ferroelectric resistive switching behavior in two-dimensional materials/BiFeO hetero-junctions. <i>Nanoscale</i> , 2018 , 10, 23080-23086	7.7	15
236	Epitaxial Growth of 1D Atomic Chain Based Se Nanoplates on Monolayer ReS ₂ for High-Performance Photodetectors. <i>Advanced Functional Materials</i> , 2018 , 28, 1806254	15.6	37
235	Carbon-coated CoFe-CoFeO composite particles with high and dual-band electromagnetic wave absorbing properties. <i>Nanotechnology</i> , 2018 , 29, 305604	3.4	29
234	Controlled Movement of a Smart Miniature Submarine at Various Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 24899-24904	9.5	8
233	NiSe ₂ pyramids deposited on N-doped graphene encapsulated Ni foam for high-performance water oxidation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 3981-3986	13	51
232	Design, Fabrication and Characterization of Pressure-Responsive Films Based on The Orientation Dependence of Plasmonic Properties of Ag@Au Nanoplates. <i>Scientific Reports</i> , 2017 , 7, 1676	4.9	3
231	Vertical aligned V ₂ O ₅ nanoneedle arrays grown on Ti substrate as binder-free cathode for lithium-ion batteries. <i>Ionics</i> , 2017 , 23, 2961-2967	2.7	4
230	Chemical Vapor Deposition Growth of Degenerate p-Type Mo-Doped ReS Films and Their Homojunction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 15583-15591	9.5	26

229	van der Waals epitaxy of large-area continuous ReS ₂ films on mica substrate. <i>RSC Advances</i> , 2017 , 7, 24188-24194	3.7	23
228	CoFe and CoFe@SiO Nanospheres with Tunable Diameters for High-Performance Electromagnetic Wave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21933-21941	9.5	86
227	Synthesis of Zn(II)-Doped Magnetite Leaf-Like Nanorings for Efficient Electromagnetic Wave Absorption. <i>Scientific Reports</i> , 2017 , 7, 45480	4.9	6
226	Accelerated precipitation and growth of phases in an Al-Zn-Mg-Cu alloy processed by surface abrasion. <i>Acta Materialia</i> , 2017 , 131, 233-245	8.4	47
225	Sulfurizing-Induced Hollowing of CoS Microplates with Nanosheet Units for Highly Efficient Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 11634-11641	9.5	103
224	Phase Transition Induced Synthesis of Layered/Spinel Heterostructure with Enhanced Electrochemical Properties. <i>Advanced Functional Materials</i> , 2017 , 27, 1604349	15.6	63
223	In Situ Growth of Sn-Doped Ni ₃ S ₂ Nanosheets on Ni Foam as High-Performance Electrocatalyst for Hydrogen Evolution Reaction. <i>ChemElectroChem</i> , 2017 , 4, 594-600	4.3	48
222	Ca(II) doped E _n S hierarchical structures for photocatalytic hydrogen generation and organic dye degradation under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2017 , 491, 230-237	9.3	40
221	Photoresponse Enhancement in Monolayer ReS Phototransistor Decorated with CdSe-CdS-ZnS Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 39456-39463	9.5	19
220	Understanding the phase transitions in spinel-layered-rock salt system: Criterion for the rational design of LLO/spinel nanocomposites. <i>Nano Energy</i> , 2017 , 40, 566-575	17.1	41
219	Hierarchical Mn ₃ O ₄ Microplates Composed of Stacking Porous Nanosheets for High-Performance Lithium Storage. <i>ChemElectroChem</i> , 2017 , 4, 2703-2708	4.3	7
218	Enhanced photocatalytic activity and photoelectrochemical performance of InOOH nanosheets prepared via a facile solvothermal route. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 1869-1876	2.1	3
217	Structural transformations in Li ₂ MnSiO ₄ : evidence that a Li intercalation material can reversibly cycle through a disordered phase. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16722-16731	13	20
216	9 Percolation in disordered conductor/insulator composites 2017 , 440-467		1
215	Non-isothermal ageing of an Al ₁₈ Zn ₂ Mg ₂ Cu alloy for enhanced properties. <i>Journal of Materials Processing Technology</i> , 2016 , 227, 110-116	5.3	34
214	Effect of Annealing Temperatures and Time on Structural Evolution and Dielectric Properties of PVDF Films. <i>Polymers and Polymer Composites</i> , 2016 , 24, 167-172	0.8	5
213	Dopamine-Induced Formation of Ultrasmall Few-Layer MoS Homogeneously Embedded in N-Doped Carbon Framework for Enhanced Lithium-Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 33741-33748	9.5	39
212	Ternary Metal Phosphide with Triple-Layered Structure as a Low-Cost and Efficient Electrocatalyst for Bifunctional Water Splitting. <i>Advanced Functional Materials</i> , 2016 , 26, 7644-7651	15.6	303

211	Thickness-controllable coating of SiO ₂ on Co microspheres with tunable electromagnetic properties and enhanced oxidation resistance. <i>RSC Advances</i> , 2016 , 6, 107653-107658	3.7	7
210	In situ soft-chemistry synthesis of $\text{Na}_{0.33}\text{V}_2\text{O}_5$ nanorods as high-performance cathode for lithium-ion batteries. <i>RSC Advances</i> , 2016 , 6, 105833-105839	3.7	7
209	Solution-phase synthesis of In_2Se_3 nanoparticles for highly efficient photocatalytic hydrogen generation under simulated sunlight irradiation. <i>RSC Advances</i> , 2016 , 6, 106671-106675	3.7	18
208	Solvothermal Synthesis of InOOH Nanospheres with Enhanced Photocatalytic Activity. <i>Bulletin of the Korean Chemical Society</i> , 2016 , 37, 522-528	1.2	8
207	Electromagnetic properties of Co flaky particles prepared via ball-milling method. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 416, 53-60	2.8	9
206	Glucose-Derived Carbonaceous Nanospheres for Photoacoustic Imaging and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15904-10	9.5	52
205	Electric Field Tunable Interlayer Relaxation Process and Interlayer Coupling in WSe ₂ /Graphene Heterostructures. <i>Advanced Functional Materials</i> , 2016 , 26, 4319-4328	15.6	30
204	Tuning the Excitonic States in MoS ₂ /Graphene van der Waals Heterostructures via Electrochemical Gating. <i>Advanced Functional Materials</i> , 2016 , 26, 293-302	15.6	44
203	Elastic properties of suspended black phosphorus nanosheets. <i>Applied Physics Letters</i> , 2016 , 108, 013104	3.4	52
202	Chelate-induced formation of Li ₂ MnSiO ₄ nanorods as a high capacity cathode material for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9447-9454	13	27
201	Thermal conductivity determination of conductor/insulator composites by fractal: Geometrical tortuosity and percolation. <i>Composites Part B: Engineering</i> , 2016 , 92, 377-383	10	6
200	Carbon-Coated Nickel Phosphide Nanosheets as Efficient Dual-Electrocatalyst for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 27850-27858	9.5	94
199	Electrochemical behavior and structural stability of LiV ₃ O ₈ microrods as cathode for lithium-ion batteries. <i>Ceramics International</i> , 2016 , 42, 18747-18755	5.1	6
198	Self-standing flexible cathode of V ₂ O ₅ nanobelts with high cycling stability for lithium-ion batteries. <i>Ceramics International</i> , 2016 , 42, 14595-14600	5.1	15
197	A pressure sensor based on the orientational dependence of plasmonic properties of gold nanorods. <i>Nanoscale</i> , 2015 , 7, 14483-8	7.7	32
196	Intrinsically Mn ²⁺ -Chelated Polydopamine Nanoparticles for Simultaneous Magnetic Resonance Imaging and Photothermal Ablation of Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 16946-52	9.5	125
195	Low temperature electrochemical performance of $\text{Li}_2\text{V}_2\text{O}_5$ cathode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2015 , 169, 440-446	6.7	23
194	Minimization of Residual Stress in an Al-Cu Alloy Forged Plate by Different Heat Treatments. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 2256-2265	1.6	22

193	Formation of Uniform Fe ₃ O ₄ Hollow Spheres Organized by Ultrathin Nanosheets and Their Excellent Lithium Storage Properties. <i>Advanced Materials</i> , 2015 , 27, 4097-101	24	346
192	Microwave absorption properties of FeSi flaky particles prepared via a ball-milling process. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 395, 152-158	2.8	32
191	Numerical Simulation of Residual Stress in an Al-Cu Alloy Block During Quenching and Aging. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 4928-4940	1.6	8
190	Ternary SnS(2-x)Se(x) Alloys Nanosheets and Nanosheet Assemblies with Tunable Chemical Compositions and Band Gaps for Photodetector Applications. <i>Scientific Reports</i> , 2015 , 5, 17109	4.9	37
189	Internal Biasing in Relaxor Ferroelectric Polymer to Enhance the Electrocaloric Effect. <i>Advanced Functional Materials</i> , 2015 , 25, 5134-5139	15.6	46
188	Effect of Cu Content and Aging Conditions on Pitting Corrosion Damage of 7xxx Series Aluminum Alloys. <i>Journal of the Electrochemical Society</i> , 2015 , 162, C150-C160	3.9	39
187	Dielectric and electrocaloric responses of Ba(Zr _{0.2} Ti _{0.8})O ₃ bulk ceramics and thick films with sintering aids. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2015 , 22, 1501-1505	2.3	11
186	Self-organized sheaf-like Fe ₃ O ₄ /C hierarchical microrods with superior lithium storage properties. <i>Nanoscale</i> , 2015 , 7, 4411-4	7.7	49
185	Photodiode-like behavior and excellent photoresponse of vertical Si/monolayer MoS ₂ heterostructures. <i>Scientific Reports</i> , 2014 , 4, 7186	4.9	120
184	Colloidal synthesis and formation mechanism of calcium molybdate notched microspheres. <i>CrystEngComm</i> , 2014 , 16, 2598	3.3	9
183	Hydrothermal synthesis, magnetic and electromagnetic properties of hexagonal Fe ₃ O ₄ microplates. <i>Journal of Magnetism and Magnetic Materials</i> , 2014 , 361, 161-165	2.8	12
182	Ageing behavior and stress corrosion cracking resistance of a non-isothermally aged Al ₇₀ Zn ₁₀ Mg ₁₀ Ti alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 605, 167-175	5.3	61
181	Mechanical properties of cermet composites with various geometrical tortuosity of metal phase: Fractal characterization. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 607, 236-244	5.3	6
180	Electrochemical Lithium Insertion Behavior of Li _x V ₂ O ₅ (0 . <i>Journal of the Electrochemical Society</i> , 2014 , 161, A75-A83	3.9	14
179	Stress relaxation behavior of an Al ₇₀ Zn ₁₀ Mg ₁₀ Ti alloy in simulated age-forming process. <i>Journal of Materials Processing Technology</i> , 2014 , 214, 775-783	5.3	42
178	Effect of electron irradiation on electroactive phase and dielectric properties of PVDF films. <i>RSC Advances</i> , 2014 , 4, 13525-13532	3.7	9
177	Self-supported construction of 3D CdMoO ₄ hierarchical structures from nanoplates with enhanced photocatalytic properties. <i>RSC Advances</i> , 2014 , 4, 38527-38534	3.7	7
176	Solvothermal synthesis of orthorhombic Sb ₂ WO ₆ hierarchical structures and their visible-light-driven photocatalytic activity. <i>Dalton Transactions</i> , 2014 , 43, 8439-45	4.3	20

175	Microstructure evolution in abrasion-induced surface layer on an AlZnMgCu alloy. <i>Materials Characterization</i> , 2014 , 98, 18-25	3.9	17
174	Synthesis of self-stacked CuFe ₂ O ₄ /Fe ₂ O ₃ porous nanosheets as a high performance Li-ion battery anode. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 19330-19337	13	16
173	Hyperfine structure variations in an FeCrCo alloy exposed to electron irradiation: Mössbauer spectroscopy characterization. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014 , 338, 52-55	1.2	3
172	Aqueous solution synthesis and photoluminescence properties of two-dimensional dendritic PbWO ₄ nanostructures. <i>Materials Research Bulletin</i> , 2014 , 56, 1-7	5.1	5
171	Strong dual-frequency electromagnetic absorption in Ku-band of C@FeNi ₃ core/shell structured microchains with negative permeability. <i>Journal of Magnetism and Magnetic Materials</i> , 2014 , 349, 159-164	2.8	37
170	Synthesis of Bi ₂ WO ₆ hierarchical structures constructed by porous nanoplates and their associated photocatalytic properties under visible light irradiation. <i>Ceramics International</i> , 2014 , 40, 11689-11698	5.1	31
169	Electromagnetic properties of flake-shaped FeBi alloy particles prepared by ball milling. <i>Journal of Magnetism and Magnetic Materials</i> , 2014 , 368, 295-299	2.8	18
168	Sodium chloride induced formation of square-shaped cadmium molybdate nanoplates. <i>Materials Letters</i> , 2014 , 131, 292-294	3.3	7
167	Effect of Surface Roughness on Breakdown Behavior of Al-Zn-Mg-Cu Alloy. <i>Journal of the Electrochemical Society</i> , 2014 , 161, C433-C440	3.9	13
166	Effect of age-forming on corrosion properties of an AlZnMgCu alloy. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2014 , 65, 670-677	1.6	15
165	Giant electrocaloric effect in BaZr _{0.2} Ti _{0.8} O ₃ thick film. <i>Applied Physics Letters</i> , 2014 , 105, 152908	3.4	73
164	Monodisperse SnS ₂ nanosheets for high-performance photocatalytic hydrogen generation. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 22370-7	9.5	181
163	Exploring Cu ₂ O/Cu cermet as a partially inert anode to produce aluminum in a sustainable way. <i>Journal of Alloys and Compounds</i> , 2014 , 610, 214-223	5.7	10
162	Topochemical synthesis and magnetic properties of BaFe ₁₂ O ₁₉ nanorods using FeOOH nanowires as templates. <i>Ceramics International</i> , 2014 , 40, 8593-8597	5.1	7
161	Solvothermal Synthesis of Bi ₂ O ₂ CO ₃ Nanoplates for Efficient Photodegradation of RhB and Phenol under Simulated Solar Light Irradiation. <i>Bulletin of the Korean Chemical Society</i> , 2014 , 35, 2935-2940	1.2	4
160	Carrier control of MoS ₂ nanoflakes by functional self-assembled monolayers. <i>ACS Nano</i> , 2013 , 7, 7795-8006	4.7	172
159	Tetradecylphosphonic acid modified BaTiO ₃ nanoparticles and its nanocomposite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 427, 19-25	5.1	33
158	Work function modulation of bilayer MoS ₂ nanoflake by backgate electric field effect. <i>Applied Physics Letters</i> , 2013 , 103, 033122	3.4	30

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