

Liang Zhen

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300
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312
ext. papers

9,808
ext. citations

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avg, IF

6.28
L-index

#	Paper	IF	Citations
300	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
299	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
298	Flow behavior and microstructures of superalloy 718 during high temperature deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 497, 479-486	5.3	187
297	Monodisperse SnS ₂ Nanosheets for high-performance photocatalytic hydrogen generation. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 22370-7	9.5	181
296	Carrier control of MoS ₂ nanoflakes by functional self-assembled monolayers. <i>ACS Nano</i> , 2013 , 7, 7795-8007	6.7	172
295	Microstructure evolution during dynamic recrystallization of hot deformed superalloy 718. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 486, 321-332	5.3	148
294	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
293	Investigation of precipitation behavior and related hardening in AA 7055 aluminum alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 500, 34-42	5.3	125
292	Deformation behavior and microstructure evolution of 7050 aluminum alloy during high temperature deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 488, 64-71	5.3	121
291	Photodiode-like behavior and excellent photoresponse of vertical Si/monolayer MoS ₂ heterostructures. <i>Scientific Reports</i> , 2014 , 4, 7186	4.9	120
290	Surface potential and interlayer screening effects of few-layer MoS ₂ nanoflakes. <i>Applied Physics Letters</i> , 2013 , 102, 143110	3.4	112
289	Microwave absorption properties of FeNi ₃ submicrometre spheres and SiO ₂ @FeNi ₃ core-shell structures. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 245003	3	104
288	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
287	Synthesis of single-crystalline niobate nanorods via ion-exchange based on molten-salt reaction. <i>Journal of the American Chemical Society</i> , 2007 , 129, 15444-5	16.4	101
286	Precipitation behaviour of Al-Mg-Si alloys with high silicon content. <i>Journal of Materials Science</i> , 1997 , 32, 1895-1902	4.3	95
285	Synthesis and characterization of single-crystalline alkali titanate nanowires. <i>Journal of the American Chemical Society</i> , 2005 , 127, 11584-5	16.4	95
284	Room temperature synthesis of hollow CdMoO ₄ microspheres by a surfactant-free aqueous solution route. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 23154-8	3.4	94

283	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
282	Hot working characteristics and dynamic recrystallization of delta-processed superalloy 718. <i>Journal of Alloys and Compounds</i> , 2009 , 474, 341-346	5.7	91
281	Synthesis and characterization of single-crystalline MnFe ₂ O ₄ nanorods via a surfactant-free hydrothermal route. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, 2672-2675	2.8	88
280	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
279	Hot deformation behavior of delta-processed superalloy 718. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 3218-3227	5.3	86
278	Epitaxial growth of shape-controlled Bi ₂ Te ₃ -Te heterogeneous nanostructures. <i>Journal of the American Chemical Society</i> , 2010 , 132, 17316-24	16.4	83
277	Room Temperature Synthesis, Growth Mechanism, Photocatalytic and Photoluminescence Properties of Cadmium Molybdate Core/Shell Microspheres. <i>Crystal Growth and Design</i> , 2009 , 9, 1558-1568	3.5	81
276	Controlled Synthesis of Calcium Tungstate Hollow Microspheres via Ostwald Ripening and Their Photoluminescence Property. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 19390-19398	3.8	75
275	Crystallization kinetics and phase transformation of poly(vinylidene fluoride) films incorporated with functionalized BaTiO ₃ nanoparticles. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 2940-2949	2.9	73
274	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
273	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
272	Resonance-antiresonance electromagnetic behavior in a disordered dielectric composite. <i>Applied Physics Letters</i> , 2007 , 90, 142907	3.4	69
271	Synthesis of hexagonal Fe microflakes with excellent microwave absorption performance. <i>CrystEngComm</i> , 2012 , 14, 6827	3.3	67
270	Synthesis, characterization and electromagnetic properties of Fe _{1-x} Co _x alloy flower-like microparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2011 , 323, 515-520	2.8	66
269	Room Temperature Synthesis of Hierarchical SrCO ₃ Architectures by a Surfactant-Free Aqueous Solution Route. <i>Crystal Growth and Design</i> , 2008 , 8, 1734-1740	3.5	66
268	Shape- and Size-Controlled Synthesis of Calcium Molybdate Doughnut-Shaped Microstructures. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 16414-16423	3.8	65
267	Microstructure characterization of 7050 aluminum alloy during dynamic recrystallization and dynamic recovery. <i>Materials Characterization</i> , 2008 , 59, 1185-1189	3.9	64
266	Phase Transition Induced Synthesis of Layered/Spinel Heterostructure with Enhanced Electrochemical Properties. <i>Advanced Functional Materials</i> , 2017 , 27, 1604349	15.6	63

265	Hydrothermal synthesis and characterization of single-crystalline Fe ₃ O ₄ nanowires with high aspect ratio and uniformity. <i>Materials Letters</i> , 2007 , 61, 3159-3162	3.3	62
264	Ageing behavior and stress corrosion cracking resistance of a non-isothermally aged Al ₇₀ Zn ₁₀ Mg ₁₀ Cu alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 605, 167-175	5.3	61
263	A study on graphitization of diamond in copper-diamond composite materials. <i>Materials Letters</i> , 2004 , 58, 146-149	3.3	61
262	The effect of pre-aging on microstructure and tensile properties of Al-Mg-Si alloys. <i>Scripta Materialia</i> , 1997 , 36, 1089-1094	5.6	60
261	Aqueous Solution Synthesis of Cd(OH) ₂ Hollow Microspheres via Ostwald Ripening and Their Conversion to CdO Hollow Microspheres. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 14360-14366	3.8	60
260	Effect of electroactive phase transformation on electron structure and dielectric properties of uniaxial stretching poly(vinylidene fluoride) films. <i>RSC Advances</i> , 2013 , 3, 23730	3.7	59
259	Electromagnetic properties of FeNi alloy nanoparticles prepared by hydrogen-thermal reduction method. <i>Journal of Applied Physics</i> , 2008 , 104, 034312	2.5	59
258	DSC analyses of the precipitation behavior of two Al-Mg-Si alloys naturally aged for different times. <i>Materials Letters</i> , 1998 , 37, 349-353	3.3	56
257	Deformation localization and recrystallization in TC4 alloy under impact condition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 395, 98-101	5.3	54
256	Hydrothermal synthesis of well-dispersed LiMnPO ₄ plates for lithium ion batteries cathode. <i>Electrochimica Acta</i> , 2013 , 87, 303-308	6.7	53
255	Glucose-Derived Carbonaceous Nanospheres for Photoacoustic Imaging and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15904-10	9.5	52
254	Molten salt synthesis of Na ₂ Ti ₃ O ₇ and Na ₂ Ti ₆ O ₁₃ one-dimensional nanostructures and their photocatalytic and humidity sensing properties. <i>CrystEngComm</i> , 2013 , 15, 3448	3.3	52
253	Elastic properties of suspended black phosphorus nanosheets. <i>Applied Physics Letters</i> , 2016 , 108, 013104	3.4	52
252	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
251	Aqueous solution synthesis of CaF ₂ hollow microspheres via the ostwald ripening process at room temperature. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 780-8	9.5	50
250	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
249	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
248	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

247	Solvothermal synthesis of Bi ₂ WO ₆ hollow structures with excellent visible-light photocatalytic properties. <i>Materials Letters</i> , 2013 , 95, 117-120	3.3	47
246	Preparation of CoFe alloy nanoparticles with tunable electromagnetic wave absorption performance. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 3702-3705	2.8	47
245	Internal Biasing in Relaxor Ferroelectric Polymer to Enhance the Electrocaloric Effect. <i>Advanced Functional Materials</i> , 2015 , 25, 5134-5139	15.6	46
244	High photocatalytic activity and photoluminescence property of hollow CdMoO ₄ microspheres. <i>Scripta Materialia</i> , 2008 , 58, 461-464	5.6	46
243	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
242	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
241	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
240	Electrical and photocatalytic properties of Na ₂ Ti ₆ O ₁₃ nanobelts prepared by molten salt synthesis. <i>Applied Surface Science</i> , 2009 , 255, 4149-4152	6.7	43
239	Synthesis and microwave electromagnetic properties of CoFe alloy nanoflakes prepared with hydrogen-thermal reduction method. <i>Journal of Applied Physics</i> , 2009 , 106, 064302	2.5	43
238	Stress relaxation behavior of an Al ₇₀ Zn ₁₀ Mg ₁₀ Cu alloy in simulated age-forming process. <i>Journal of Materials Processing Technology</i> , 2014 , 214, 775-783	5.3	42
237	A facile hydrothermal route to the large-scale synthesis of CoWO ₄ nanorods. <i>Materials Letters</i> , 2008 , 62, 1740-1742	3.3	42
236	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
235	Microstructure evolution of adiabatic shear bands in AM60B magnesium alloy under ballistic impact. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 5728-5733	5.3	41
234	Fractal growth of single-crystal Fe ₂ O ₃ : From dendritic micro-pines to hexagonal micro-snowflakes. <i>Materials Letters</i> , 2008 , 62, 739-742	3.3	41
233	Ca(II) doped ZnS 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
232	Characterization of adiabatic shear bands in AM60B magnesium alloy under ballistic impact. <i>Materials Characterization</i> , 2011 , 62, 496-502	3.9	40
231	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
230	Microstructures and mechanical properties of age-formed 7050 aluminum alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 539, 115-123	5.3	39

229	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
228	Synthesis of Fe ₃ O ₄ ferrite composite nanotubes with excellent microwave absorption performance. <i>CrystEngComm</i> , 2011 , 13, 6839	3.3	39
227	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
226	Deformation and fracture behavior of two Al-Mg-Si alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1997 , 28, 1489-1497	2.3	38
225	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
224	Formation of CdMoO ₄ porous hollow nanospheres via a self-assembly accompanied with Ostwald ripening process and their photocatalytic performance. <i>CrystEngComm</i> , 2013 , 15, 8014	3.3	37
223	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
222	Tensile deformation behavior of superalloy 718 at elevated temperatures. <i>Journal of Alloys and Compounds</i> , 2009 , 471, 331-335	5.7	37
221	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
220	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
219	Microstructure and magnetic properties of SiC/Co composite particles prepared by electroless plating. <i>Surface and Coatings Technology</i> , 2006 , 201, 3139-3146	4.4	35
218	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
217	Non-isothermal ageing of an Al ₃ Zn ₂ Mg ₂ Cu alloy for enhanced properties. <i>Journal of Materials Processing Technology</i> , 2016 , 227, 110-116	5.3	34
216	Distribution characterization of boundary misorientation angle of 7050 aluminum alloy after high-temperature compression. <i>Journal of Materials Processing Technology</i> , 2009 , 209, 754-761	5.3	34
215	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
214	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
213	A pressure sensor based on the orientational dependence of plasmonic properties of gold nanorods. <i>Nanoscale</i> , 2015 , 7, 14483-8	7.7	32
212	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

211	MOF-Derived CuO/Cu Nanospheres Anchored in Nitrogen-Doped Hollow Porous Carbon Framework for Increasing the Selectivity and Activity of Electrochemical CO-to-Formate Conversion. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 7030-7037	9.5	32
210	Development of La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O ₃ cathode with an improved stability via La _{0.8} Sr _{0.2} MnO ₃ -film impregnation. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 5375-5382	6.7	32
209	Eu ³⁺ -doped CdMoO ₄ red phosphor synthesized through an aqueous solution route at room temperature. <i>Journal of Alloys and Compounds</i> , 2012 , 529, 17-20	5.7	32
208	Effects of precipitates on fatigue crack growth rate of AA 7055 aluminum alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2010 , 20, 2209-2214	3.3	32
207	Synthesis of Fe/SiO ₂ composite particles and their superior electromagnetic properties in microwave band. <i>Materials Letters</i> , 2010 , 64, 57-60	3.3	32
206	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
205	Deformed microstructure evolution in AM60B Mg alloy under hypervelocity impact at a velocity of 5kms ⁻¹ . <i>Materials & Design</i> , 2010 , 31, 3708-3715		31
204	Microstructure and magnetic properties of Fe _{0.5} Cr _{0.2} Co _{0.1} Si alloy thermo-magnetically treated in intense magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 283, 231-237	2.8	31
203	Micro-damage behaviors of Al ₃ Mg alloy impacted by projectiles with velocities of 13.2 km/s. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 391, 354-366	5.3	31
202	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
201	Work function modulation of bilayer MoS ₂ nanoflake by backgate electric field effect. <i>Applied Physics Letters</i> , 2013 , 103, 033122	3.4	30
200	Formation of FeMoO ₄ hollow microspheres via a chemical conversion-induced Ostwald ripening process. <i>CrystEngComm</i> , 2012 , 14, 7025	3.3	30
199	Mechanism of Localized Breakdown of 7000 Series Aluminum Alloys. <i>Journal of the Electrochemical Society</i> , 2013 , 160, C493-C502	3.9	30
198	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
197	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
196	Synthesis of LiMnPO ₄ microspheres assembled by plates, wedges and prisms with different crystallographic orientations and their electrochemical performance. <i>CrystEngComm</i> , 2012 , 14, 6412	3.3	29
195	Carbon-coated CoFe-CoFeO composite particles with high and dual-band electromagnetic wave absorbing properties. <i>Nanotechnology</i> , 2018 , 29, 305604	3.4	29
194	FeNi ₃ /indium tin oxide (ITO) composite nanoparticles with excellent microwave absorption performance and low infrared emissivity. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2013 , 178, 225-230	3.1	28

193	Through-thickness texture gradient in AA 7055 aluminum alloy. <i>Materials Letters</i> , 2008 , 62, 88-90	3.3	28
192	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
191	Chemical Vapor Deposition Growth of Degenerate p-Type Mo-Doped ReS Films and Their Homo Junction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 15583-15591	9.5	26
190	Deformed microstructure and mechanical properties of AM60B magnesium alloy under hypervelocity impact at a velocity of 4 km s ⁻¹ . <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 3323-3328	5.3	26
189	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
188	Highly reversible oxygen redox in layered compounds enabled by surface polyanions. <i>Nature Communications</i> , 2020 , 11, 3411	17.4	25
187	High capacity and enhanced structural reversibility of Li _{1-x} V ₂ O ₅ nanorods as the lithium battery cathode. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5361	13	25
186	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
185	Low temperature electrochemical performance of Li _{1-x} V ₂ O ₅ cathode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2015 , 169, 440-446	6.7	23
184	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
183	Development of microstructures and texture during cold rolling in AA 7055 aluminum alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 504, 55-63	5.3	23
182	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
181	Fractal Analysis of Disordered Conductor/Insulator Composites with Different Conductor Backbone Structures near Percolation Threshold. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 19517-19525	3.8	22
180	Large-scale synthesis of single-crystalline KNb ₃ O ₈ nanobelts via a simple molten salt method. <i>Ceramics International</i> , 2010 , 36, 679-682	5.1	22
179	Improvement on electromagnetic absorbing performance of Al ₁₈ B ₄ O ₃₃ w/Co composite particles through heat treatment. <i>Scripta Materialia</i> , 2008 , 59, 967-970	5.6	22
178	Disket-Nanorings of K ₂ Ti ₆ O ₁₃ Formed by Self-Spiraling of a Nanobelt. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 7547-7551	3.8	22
177	Anisotropic Signal Processing with Trigonal Selenium Nanosheet Synaptic Transistors. <i>ACS Nano</i> , 2020 , 14, 10018-10026	16.7	22
176	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

175	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
174	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
173	Natural Humic-Acid-Based Phototheranostic Agent. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701202	10.1	20
172	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
171	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
170	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
169	Shape-controlled synthesis of zinc phosphate nanostructures by an aqueous solution route at room temperature. <i>Materials Letters</i> , 2012 , 82, 26-28	3.3	19
168	Cu ₂ O/Cu Cermet as a Candidate Inert Anode for Al Production. <i>International Journal of Applied Ceramic Technology</i> , 2007 , 4, 453-462	2	19
167	A facile molten salt route to K ₂ Nb ₈ O ₂₁ nanoribbons. <i>Ceramics International</i> , 2008 , 34, 435-437	5.1	19
166	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
165	Segregation of the major alloying elements to Al ₃ (Sc,Zr) precipitates in an Al ₇₀ Mg ₁₀ Cu ₁₀ Sc ₂ Zr alloy. <i>Materials Characterization</i> , 2019 , 157, 109898	3.9	18
164	Solution-phase synthesis of In ₂ Se ₃ nanoparticles for highly efficient photocatalytic hydrogen generation under simulated sunlight irradiation. <i>RSC Advances</i> , 2016 , 6, 106671-106675	3.7	18
163	Electromagnetic properties of flake-shaped FeSi alloy particles prepared by ball milling. <i>Journal of Magnetism and Magnetic Materials</i> , 2014 , 368, 295-299	2.8	18
162	Microstructure evolution of cobalt coating electroless plated on SiC whisker during electroless plating and heat treatment. <i>Surface and Coatings Technology</i> , 2007 , 201, 6059-6062	4.4	18
161	Characterization of the deformed microstructure in 1Cr18NiTi stainless steel under ballistic impact. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 489, 213-219	5.3	18
160	Large-scale Synthesis of SrCrO ₄ Nanowires and PbCrO ₄ Nanorods by a Solution-phase Method at Room Temperature. <i>Chemistry Letters</i> , 2006 , 35, 268-269	1.7	18
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158	Synthesis of CoFe/Al ₂ O ₃ composite nanoparticles as the impedance matching layer of wideband multilayer absorber. <i>Journal of Applied Physics</i> , 2011 , 109, 07A332	2.5	17

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