

Liang Zhen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/555177/publications.pdf>

Version: 2024-02-01

309
papers

10,968
citations

26567

56
h-index

51492

86
g-index

312
all docs

312
docs citations

312
times ranked

13303
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 4097-4101.	11.1	396
2	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.	7.8	389
3	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.	2.6	227
4	Monodisperse SnS ₂ Nanosheets for High-Performance Photocatalytic Hydrogen Generation. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 22370-22377.	4.0	216
5	Carrier Control of MoS ₂ Nanoflakes by Functional Self-Assembled Monolayers. <i>ACS Nano</i> , 2013, 7, 7795-7804.	7.3	208
6	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.	2.6	179
7	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.	2.6	162
8	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, 16946-16952.	4.0	153
9	Photodiode-Like Behavior and Excellent Photoresponse of Vertical Si/Monolayer MoS ₂ Heterostructures. <i>Scientific Reports</i> , 2014, 4, 7186.	1.6	141
10	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.	2.6	139
11	Sulfurizing-Induced Hollowing of Co ₉ S ₈ Microplates with Nanosheet Units for Highly Efficient Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 11634-11641.	4.0	129
12	Surface potential and interlayer screening effects of few-layer MoS ₂ nanoflakes. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	125
13	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.	1.3	116
14	Carbon-Coated Nickel Phosphide Nanosheets as Efficient Dual-Electrocatalyst for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27850-27858.	4.0	113
15	Precipitation behaviour of Al-Mg-Si alloys with high silicon content. <i>Journal of Materials Science</i> , 1997, 32, 1895-1902.	1.7	111
16	Co ₇ Fe ₃ and Co ₇ Fe ₃ @SiO ₂ Nanospheres with Tunable Diameters for High-Performance Electromagnetic Wave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21933-21941.	4.0	109
17	Synthesis of Single-Crystalline Niobate Nanorods via Ion-Exchange Based on Molten-Salt Reaction. <i>Journal of the American Chemical Society</i> , 2007, 129, 15444-15445.	6.6	104
18	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.	1.0	104

#	ARTICLE	IF	CITATIONS
19	Hot deformation behavior of delta-processed superalloy 718. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 3218-3227.	2.6	101
20	Synthesis and Characterization of Single-Crystalline Alkali Titanate Nanowires. <i>Journal of the American Chemical Society</i> , 2005, 127, 11584-11585.	6.6	99
21	Room Temperature Synthesis of Hollow CdMoO ₄ Microspheres by a Surfactant-Free Aqueous Solution Route. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23154-23158.	1.2	97
22	Hot working characteristics and dynamic recrystallization of delta-processed superalloy 718. <i>Journal of Alloys and Compounds</i> , 2009, 474, 341-346.	2.8	97
23	Ageing behavior and stress corrosion cracking resistance of a non-isothermally aged Al-Zn-Mg-Cu alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 605, 167-175.	2.6	97
24	Encapsulating MnO nanoparticles within foam-like carbon nanosheet matrix for fast and durable lithium storage. <i>Nano Energy</i> , 2018, 50, 675-684.	8.2	95
25	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.	1.3	92
26	Bifunctional WC-Supported RuO ₂ Nanoparticles for Robust Water Splitting in Acidic Media. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	89
27	Epitaxial Growth of Shape-Controlled Bi ₂ Te ₃ Te Heterogeneous Nanostructures. <i>Journal of the American Chemical Society</i> , 2010, 132, 17316-17324.	6.6	87
28	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.	1.4	86
29	Giant electrocaloric effect in BaZr _{0.2} Ti _{0.8} O ₃ thick film. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	84
30	Microstructure characterization of 7050 aluminum alloy during dynamic recrystallization and dynamic recovery. <i>Materials Characterization</i> , 2008, 59, 1185-1189.	1.9	82
31	Phase Transition Induced Synthesis of Layered/Spinel Heterostructure with Enhanced Electrochemical Properties. <i>Advanced Functional Materials</i> , 2017, 27, 1604349.	7.8	80
32	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.	1.5	79
33	Synthesis of hexagonal Fe microflakes with excellent microwave absorption performance. <i>CrystEngComm</i> , 2012, 14, 6827.	1.3	79
34	A study on graphitization of diamond in copper-diamond composite materials. <i>Materials Letters</i> , 2004, 58, 146-149.	1.3	77
35	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.	1.7	76
36	Resonance-antiresonance electromagnetic behavior in a disordered dielectric composite. <i>Applied Physics Letters</i> , 2007, 90, 142907.	1.5	75

#	ARTICLE	IF	CITATIONS
37	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.	3.8	71
38	Synthesis, characterization and electromagnetic properties of Fe _{1-x} Cox alloy flower-like microparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 515-520.	1.0	70
39	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.	1.3	69
40	Electromagnetic properties of FeNi alloy nanoparticles prepared by hydrogen-thermal reduction method. <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	69
41	MOF-Derived Cu ₂ O/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.	4.0	69
42	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.	1.4	68
43	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.	5.6	68
44	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.	1.3	67
45	Glucose-Derived Carbonaceous Nanospheres for Photoacoustic Imaging and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15904-15910.	4.0	67
46	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.	5.2	67
47	Shape- and Size-Controlled Synthesis of Calcium Molybdate Doughnut-Shaped Microstructures. <i>Journal of Physical Chemistry C</i> , 2009, 113, 16414-16423.	1.5	66
48	The effect of pre-aging on microstructure and tensile properties of Al-Mg-Si alloys. <i>Scripta Materialia</i> , 1997, 36, 1089-1094.	2.6	65
49	Elastic properties of suspended black phosphorus nanosheets. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	65
50	Internal Biasing in Relaxor Ferroelectric Polymer to Enhance the Electrocaloric Effect. <i>Advanced Functional Materials</i> , 2015, 25, 5134-5139.	7.8	64
51	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.	1.7	64
52	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.	2.8	63
53	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.	1.5	62
54	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.	2.6	60

#	ARTICLE	IF	CITATIONS
55	Hydrothermal synthesis of well-dispersed LiMnPO ₄ plates for lithium ion batteries cathode. <i>Electrochimica Acta</i> , 2013, 87, 303-308.	2.6	60
56	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.	1.3	60
57	Stress relaxation behavior of an Al–Zn–Mg–Cu alloy in simulated age-forming process. <i>Journal of Materials Processing Technology</i> , 2014, 214, 775-783.	3.1	59
58	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.	8.2	58
59	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.	5.2	58
60	Characterization of adiabatic shear bands in AM60B magnesium alloy under ballistic impact. <i>Materials Characterization</i> , 2011, 62, 496-502.	1.9	56
61	Solvothermal synthesis of Bi ₂ WO ₆ hollow structures with excellent visible-light photocatalytic properties. <i>Materials Letters</i> , 2013, 95, 117-120.	1.3	56
62	Tuning the Excitonic States in MoS ₂ /Graphene van der Waals Heterostructures via Electrochemical Gating. <i>Advanced Functional Materials</i> , 2016, 26, 293-302.	7.8	56
63	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.	6.6	56
64	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.	5.6	56
65	Aqueous Solution Synthesis of CaF ₂ Hollow Microspheres via the Ostwald Ripening Process at Room Temperature. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 780-788.	4.0	55
66	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.	1.3	55
67	Ternary SnS _x Alloys Nanosheets and Nanosheet Assemblies with Tunable Chemical Compositions and Band Gaps for Photodetector Applications. <i>Scientific Reports</i> , 2015, 5, 17109.	1.6	54
68	Highly reversible oxygen redox in layered compounds enabled by surface polyanions. <i>Nature Communications</i> , 2020, 11, 3411.	5.8	54
69	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.	10.8	54
70	Preparation of CoFe alloy nanoparticles with tunable electromagnetic wave absorption performance. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 3702-3705.	1.0	53
71	Self-organized sheaf-like Fe ₃ O ₄ /C hierarchical microrods with superior lithium storage properties. <i>Nanoscale</i> , 2015, 7, 4411-4414.	2.8	53
72	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.	2.6	52

#	ARTICLE	IF	CITATIONS
73	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.	2.6	52
74	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.	7.8	52
75	Biocompatible Fe ³⁺ -TA coordination complex with high photothermal conversion efficiency for ablation of cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 167, 183-190.	2.5	50
76	High photocatalytic activity and photoluminescence property of hollow CdMoO ₄ microspheres. <i>Scripta Materialia</i> , 2008, 58, 461-464.	2.6	49
77	A facile hydrothermal route to the large-scale synthesis of CoWO ₄ nanorods. <i>Materials Letters</i> , 2008, 62, 1740-1742.	1.3	49
78	Synthesis and microwave electromagnetic properties of CoFe alloy nanoflakes prepared with hydrogen-thermal reduction method. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	49
79	Dopamine-Induced Formation of Ultrasmall Few-Layer MoS ₂ Homogeneously Embedded in N-Doped Carbon Framework for Enhanced Lithium-Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33741-33748.	4.0	49
80	Non-isothermal ageing of an Al ⁸ Zn ² Mg ² Cu alloy for enhanced properties. <i>Journal of Materials Processing Technology</i> , 2016, 227, 110-116.	3.1	49
81	Ca(II) doped β -In ₂ S ₃ 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.	5.0	49
82	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.	3.1	47
83	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.	3.1	47
84	Electric Field Tunable Interlayer Relaxation Process and Interlayer Coupling in WSe ₂ /Graphene Heterostructures. <i>Advanced Functional Materials</i> , 2016, 26, 4319-4328.	7.8	47
85	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.	1.0	46
86	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.	6.6	45
87	Fractal growth of single-crystal β -Fe ₂ O ₃ : From dendritic micro-pines to hexagonal micro-snowflakes. <i>Materials Letters</i> , 2008, 62, 739-742.	1.3	44
88	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.	2.5	44
89	Carbon-coated CoFe ₂ O ₄ composite particles with high and dual-band electromagnetic wave absorbing properties. <i>Nanotechnology</i> , 2018, 29, 305604.	1.3	43
90	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.	2.6	43

#	ARTICLE	IF	CITATIONS
91	Anisotropic Signal Processing with Trigonal Selenium Nanosheet Synaptic Transistors. ACS Nano, 2020, 14, 10018-10026.	7.3	43
92	Tensile deformation behavior of superalloy 718 at elevated temperatures. Journal of Alloys and Compounds, 2009, 471, 331-335.	2.8	42
93	Tetradecylphosphonic acid modified BaTiO ₃ nanoparticles and its nanocomposite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 427, 19-25.	2.3	42
94	Deformation and fracture behavior of two Al-Mg-Si alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1997, 28, 1489-1497.	1.1	41
95	A pressure sensor based on the orientational dependence of plasmonic properties of gold nanorods. Nanoscale, 2015, 7, 14483-14488.	2.8	41
96	Microwave absorption properties of FeSi flaky particles prepared via a ball-milling process. Journal of Magnetism and Magnetic Materials, 2015, 395, 152-158.	1.0	41
97	Particle-stimulated nucleation and recrystallization texture initiated by coarsened Al ₂ CuLi phase in Al-Cu-Li alloy. Journal of Materials Research and Technology, 2021, 10, 643-650.	2.6	41
98	Synthesis of Fe-ferrite composite nanotubes with excellent microwave absorption performance. CrystEngComm, 2011, 13, 6839.	1.3	40
99	Formation of CdMoO ₄ porous hollow nanospheres via a self-assembly accompanied with Ostwald ripening process and their photocatalytic performance. CrystEngComm, 2013, 15, 8014.	1.3	39
100	Development of La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} cathode with an improved stability via La _{0.8} Sr _{0.2} MnO ₃ -film impregnation. International Journal of Hydrogen Energy, 2013, 38, 5375-5382.	3.8	39
101	In-situ growth of graphene decorated Ni ₃ S ₂ pyramids on Ni foam for high-performance overall water splitting. Applied Surface Science, 2019, 465, 772-779.	3.1	39
102	Synthesis of Fe/SiO ₂ composite particles and their superior electromagnetic properties in microwave band. Materials Letters, 2010, 64, 57-60.	1.3	38
103	Microstructure and magnetic properties of SiC/Co composite particles prepared by electroless plating. Surface and Coatings Technology, 2006, 201, 3139-3146.	2.2	37
104	Effects of precipitates on fatigue crack growth rate of AA 7055 aluminum alloy. Transactions of Nonferrous Metals Society of China, 2010, 20, 2209-2214.	1.7	37
105	Formation of FeMoO ₄ hollow microspheres via a chemical conversion-induced Ostwald ripening process. CrystEngComm, 2012, 14, 7025.	1.3	37
106	Mechanism of Localized Breakdown of 7000 Series Aluminum Alloys. Journal of the Electrochemical Society, 2013, 160, C493-C502.	1.3	37
107	Effects of coarse Al ₂ CuLi phase on the hot deformation behavior of Al-Cu-Li alloy. Journal of Alloys and Compounds, 2020, 815, 152469.	2.8	37
108	Ultrathin Co ₉ S ₈ nanosheets vertically aligned on N,S/rGO for low voltage electrolytic water in alkaline media. Scientific Reports, 2019, 9, 1951.	1.6	36

#	ARTICLE	IF	CITATIONS
109	Deformed microstructure evolution in AM60B Mg alloy under hypervelocity impact at a velocity of 5kms ⁻¹ . <i>Materials & Design</i> , 2010, 31, 3708-3715.	5.1	35
110	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.	2.8	35
111	Low temperature electrochemical performance of $\text{P}^2\text{-Li V}_2\text{O}_5$ cathode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2015, 169, 440-446.	2.6	35
112	Work function modulation of bilayer MoS ₂ nanoflake by backgate electric field effect. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	34
113	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.	2.3	34
114	Hybrid dual-channel phototransistor based on 1D t-Se and 2D ReS ₂ mixed-dimensional heterostructures. <i>Nano Research</i> , 2019, 12, 669-674.	5.8	34
115	Micro-damage behaviors of Al ⁶ Mg alloy impacted by projectiles with velocities of 1 ³ ~3.2km/s. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 391, 354-366.	2.6	33
116	Deformed microstructure and mechanical properties of AM60B magnesium alloy under hypervelocity impact at a velocity of 4kms ⁻¹ . <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 3323-3328.	2.6	33
117	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.	1.3	33
118	Segregation of the major alloying elements to Al ₃ (Sc,Zr) precipitates in an Al ^{Zn} Mg ^{Cu} Sc ^{Zr} alloy. <i>Materials Characterization</i> , 2019, 157, 109898.	1.9	33
119	Microstructure and magnetic properties of Fe ²⁵ Cr ¹² Co ¹ Si alloy thermo-magnetically treated in intense magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 283, 231-237.	1.0	32
120	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.	5.2	32
121	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.	5.6	32
122	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.	1.7	31
123	Photoresponse Enhancement in Monolayer ReS ₂ Phototransistor Decorated with CdSe ^{Cd} ZnS Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39456-39463.	4.0	31
124	Rational Construction of Uniform CoNi-Based Core-Shell Microspheres with Tunable Electromagnetic Wave Absorption Properties. <i>Scientific Reports</i> , 2018, 8, 3196.	1.6	31
125	Natural Humic ^{Acid} -Based Phototheranostic Agent. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701202.	3.9	31
126	Reviving reversible anion redox in 3d-transition-metal Li rich oxides by introducing surface defects. <i>Nano Energy</i> , 2020, 71, 104644.	8.2	31

#	ARTICLE	IF	CITATIONS
127	Through-thickness texture gradient in AA 7055 aluminum alloy. <i>Materials Letters</i> , 2008, 62, 88-90.	1.3	30
128	Chemical Vapor Deposition Growth of Degenerate p-Type Mo-Doped ReS_2 Films and Their Homojunction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15583-15591.	4.0	30
129	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.	1.2	29
130	van der Waals epitaxy of large-area continuous ReS_2 films on mica substrate. <i>RSC Advances</i> , 2017, 7, 24188-24194.	1.7	29
131	High capacity and enhanced structural reversibility of $\text{Li}_2\text{V}_2\text{O}_5$ nanorods as the lithium battery cathode. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5361.	5.2	28
132	Solvothermal synthesis of orthorhombic Sb_2WO_6 hierarchical structures and their visible-light-driven photocatalytic activity. <i>Dalton Transactions</i> , 2014, 43, 8439-8445.	1.6	27
133	PEGylated Tantalum Nanoparticles: A Metallic Photoacoustic Contrast Agent for Multiwavelength Imaging of Tumors. <i>Small</i> , 2019, 15, e1903596.	5.2	27
134	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.	2.6	26
135	Large-scale synthesis of single-crystalline KNb_3O_8 nanobelts via a simple molten salt method. <i>Ceramics International</i> , 2010, 36, 679-682.	2.3	25
136	Electromagnetic properties of flake-shaped Fe_3Si alloy particles prepared by ball milling. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 368, 295-299.	1.0	25
137	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.	1.7	25
138	Improvement on electromagnetic absorbing performance of $\text{Al}_{18}\text{B}_4\text{O}_{33}\text{w}/\text{Co}$ composite particles through heat treatment. <i>Scripta Materialia</i> , 2008, 59, 967-970.	2.6	24
139	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.	1.5	24
140	Ferroelectric resistive switching behavior in two-dimensional materials/ BiFeO_3 hetero-junctions. <i>Nanoscale</i> , 2018, 10, 23080-23086.	2.8	24
141	Selective CO_2 -to-formate electrochemical conversion with core-shell structured $\text{Cu}_2\text{O}/\text{Cu}@\text{C}$ composites immobilized on nitrogen-doped graphene sheets. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18302-18309.	5.2	24
142	Shape-controlled synthesis of zinc phosphate nanostructures by an aqueous solution route at room temperature. <i>Materials Letters</i> , 2012, 82, 26-28.	1.3	23
143	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.	5.0	23
144	Macro- and microdamage behaviors of the 30CrMnSiA steel impacted by hypervelocity projectiles. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 282, 177-182.	2.6	22

#	ARTICLE	IF	CITATIONS
145	Disket-Nanorings of $K_2Ti_6O_{13}$ Formed by Self-Spiraling of a Nanobelt. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7547-7551.	1.5	22
146	Portevin-Le Chatelier effect in Al-Zn-Mg-Cu-Zr aluminum alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2009, 19, 1071-1075.	1.7	22
147	Structural transformations in Li_2MnSiO_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.	5.2	22
148	Cu_2O/Cu Cermet as a Candidate Inert Anode for Al Production. <i>International Journal of Applied Ceramic Technology</i> , 2007, 4, 453-462.	1.1	21
149	A facile molten salt route to $K_2Nb_8O_{21}$ nanoribbons. <i>Ceramics International</i> , 2008, 34, 435-437.	2.3	21
150	Conductivity critical exponents lower than the universal value in continuum percolation systems. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 395235.	0.7	21
151	Phase field simulation of microstructure evolution in Fe-Cr-Co alloy during thermal magnetic treatment and step aging. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 987-995.	1.0	21
152	Microstructure evolution in abrasion-induced surface layer on an Al-Zn-Mg-Cu alloy. <i>Materials Characterization</i> , 2014, 98, 18-25.	1.9	21
153	Electrochemical reduction of carbon dioxide to formate via nano-prism assembled CuO microspheres. <i>Chemosphere</i> , 2019, 237, 124527.	4.2	21
154	Electrochemical Intercalation in Atomically Thin van der Waals Materials for Structural Phase Transition and Device Applications. <i>Advanced Materials</i> , 2021, 33, e2000581.	11.1	21
155	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.	1.1	20
156	Experimental study on modulated structure in Alnico alloys under high magnetic field and comparison with phase-field simulation. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 348, 27-32.	1.0	20
157	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.	0.7	19
158	Effect of β -ray irradiation on the magnetic properties of NdFeB and Fe-Cr-Co permanent magnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 302, 156-159.	1.0	18
159	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.	2.2	18
160	Evolution of modulated structure in Fe-Cr-Co alloy during isothermal ageing with different external magnetic field conditions. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 312, 342-346.	1.0	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.	2.6	18
162	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.	1.0	18

#	ARTICLE	IF	CITATIONS
163	Synthesis of self-stacked CuFe ₂ O ₄ porous nanosheets as a high performance Li-ion battery anode. Journal of Materials Chemistry A, 2014, 2, 19330-19337.	5.2	18
164	Study of γ -ray irradiation effect on permanent magnets. Journal of Applied Physics, 2008, 103, 07E136.	1.1	17
165	Co/SiO ₂ composite particles with high electromagnetic wave absorbing performance and weather resistance. Journal of Magnetism and Magnetic Materials, 2013, 334, 111-118.	1.0	17
166	Effect of Surface Roughness on Breakdown Behavior of Al-Zn-Mg-Cu Alloy. Journal of the Electrochemical Society, 2014, 161, C433-C440.	1.3	17
167	Self-standing flexible cathode of V ₂ O ₅ nanobelts with high cycling stability for lithium-ion batteries. Ceramics International, 2016, 42, 14595-14600.	2.3	17
168	Microstructure Evolution and the Resulted Influence on Localized Corrosion in Al-Zn-Mg-Cu Alloy during Non-Isothermal Ageing. Materials, 2018, 11, 720.	1.3	17
169	Effects of interfacial wettability on arc erosion behavior of Zn ₂ SnO ₄ /Cu electrical contacts. Journal of Materials Science and Technology, 2022, 109, 64-75.	5.6	17
170	In situ tensile deformation and fracture behavior of Ti-24Al-14Nb-3V-0.5Mo alloy with various microstructures. Intermetallics, 2004, 12, 43-53.	1.8	16
171	Magnetic anisotropy in Fe-25Cr-12Co-1Si alloy induced by external magnetic field. Transactions of Nonferrous Metals Society of China, 2007, 17, 346-350.	1.7	16
172	Thermal expansion behavior of Cu/Cu ₂ O cermets with different Cu structures. Ceramics International, 2009, 35, 2803-2807.	2.3	16
173	The influence of Fe content on the magnetic and electromagnetic characteristics for Fe _x (CoNi) _{1-x} ternary alloy nanoparticles. Journal of Applied Physics, 2011, 109, 07A320.	1.1	16
174	The influence of hollow structure on the magnetic characteristics for Fe ₃ O ₄ submicron spheres. Journal of Applied Physics, 2011, 109, 07B535.	1.1	16
175	Effect of age-forming on corrosion properties of an Al _{0.5} Zn _{0.5} Mg _{0.5} Cu alloy. Materials and Corrosion - Werkstoffe Und Korrosion, 2014, 65, 670-677.	0.8	16
176	Electrochemical Lithium Insertion Behavior of Li _x V ₂ O ₅ (0 < x < 3) as the Cathode Material for Secondary Lithium Batteries. Journal of the Electrochemical Society, 2014, 161, A75-A83.	1.3	16
177	Air arc erosion behavior of CuZr/Zn ₂ SnO ₄ electrical contact materials. Journal of Alloys and Compounds, 2018, 743, 697-706.	2.8	16
178	TEM observation of the interface in a Ti ₃ Al-Nb alloy. Materials Letters, 1997, 32, 319-323.	1.3	15
179	Study of deformed microstructures near the impact crater in pure copper targets. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 384, 12-18.	2.6	15
180	Dielectric and electrocaloric responses of Ba(Zr _{0.2} Ti _{0.8})O ₃ bulk ceramics and thick films with sintering aids. IEEE Transactions on Dielectrics and Electrical Insulation, 2015, 22, 1501-1505.	1.8	15

#	ARTICLE	IF	CITATIONS
181	Large-scale synthesis and characterization of fan-shaped rutile TiO ₂ nanostructures. <i>Materials Letters</i> , 2008, 62, 3404-3406.	1.3	14
182	Microstructure evolution and electromagnetic properties improvement of Al ₁₈ B ₄ O ₃₃ w/Co composite powders through heat-treatment. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1290-1294.	1.0	14
183	Synthesis and formation process of SrSO ₄ -like hierarchical structures at room temperature. <i>CrystEngComm</i> , 2011, 13, 620-625.	1.3	14
184	Electromagnetic properties of Co flaky particles prepared via ball-milling method. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 416, 53-60.	1.0	14
185	Spinodal decomposition in Fe ₂₅ Cr ₁₂ Co ₁ Si alloy under a 100kOe magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 306, 69-72.	1.0	13
186	Microstructural characterization of single-crystalline potassium hollandite nanowires. <i>Materials Characterization</i> , 2008, 59, 1805-1808.	1.9	13
187	Strain rate sensitivity of a high strain rate superplastic TiNp/2014 Al composite. <i>Journal of Materials Processing Technology</i> , 2010, 210, 734-740.	3.1	13
188	Effect of electron irradiation on electroactive phase and dielectric properties of PVDF films. <i>RSC Advances</i> , 2014, 4, 13525-13532.	1.7	13
189	Highly localized shear deformation in a Mg-Al-Mn alloy subjected to ballistic impact. <i>Vacuum</i> , 2019, 169, 108868.	1.6	13
190	Transformed shearing bands in strongly impact loaded 30CrMnSiA steel. <i>Journal of Materials Science Letters</i> , 1998, 17, 391-393.	0.5	12
191	Electrical Conductivity of Inhomogeneous Cu ₂ O-10CuAlO ₂ -xCu Cermets. <i>Journal of the American Ceramic Society</i> , 2005, 88, 2589-2593.	1.9	12
192	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.	1.2	12
193	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.	5.2	12
194	Tuning the Energy Storage Efficiency in PVDF Nanocomposites Incorporated with Crumpled Core-Shell BaTiO ₃ @Graphene Oxide Nanoparticles. <i>ACS Applied Energy Materials</i> , 2021, 4, 9553-9562.	2.5	12
195	Mechanical Anisotropy in Two-Dimensional Selenium Atomic Layers. <i>Nano Letters</i> , 2021, 21, 8043-8050.	4.5	12
196	Correlation between Structural Evolution and Device Performance of CH ₃ NH ₃ PbI ₃ Solar Cells under Proton Irradiation. <i>ACS Applied Energy Materials</i> , 0, , .	2.5	12
197	Room temperature synthesis of BaCrO ₄ nanoplates through a NaCl-assisted aqueous solution method. <i>Materials Letters</i> , 2007, 61, 3146-3149.	1.3	11
198	Electrical and microwave dielectric properties of K ₂ Nb ₈ O ₂₁ microwires. <i>Ceramics International</i> , 2009, 35, 3021-3025.	2.3	11

#	ARTICLE	IF	CITATIONS
199	Superparamagnetic nickel ferrite colloidal spheres for constructing magnetically responsive photonic crystals. <i>Materials Letters</i> , 2012, 81, 62-64.	1.3	11
200	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.	2.8	11
201	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.	1.7	11
202	Effects of dopants on the adhesion and electronic structure of a SnO ₂ /Cu interface: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 15618-15625.	1.3	11
203	Controlled Movement of a Smart Miniature Submarine at Various Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24899-24904.	4.0	11
204	Microstructure evolution of polyimide films induced by electron beam irradiation-load coupling treatment. <i>Polymer Degradation and Stability</i> , 2018, 155, 230-237.	2.7	11
205	Texture evolution and recrystallization mechanism in a Mg ³ Al ¹ Zn alloy under ballistic impact. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152599.	2.8	11
206	Bifunctional WC ₆ Supported RuO ₂ Nanoparticles for Robust Water Splitting in Acidic Media. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	11
207	Single-crystalline PbCrO ₄ nanorods: Room temperature, surfactant free synthesis, characterization and optical property. <i>Journal of Crystal Growth</i> , 2007, 299, 86-93.	0.7	10
208	Magnetic microstructures of a high coercivity Nd ⁴ Fe ⁶ B sintered magnet in remanent and incomplete thermal demagnetization states. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 3720-3723.	1.0	10
209	Thermal conductivity determination of conductor/insulator composites by fractal: Geometrical tortuosity and percolation. <i>Composites Part B: Engineering</i> , 2016, 92, 377-383.	5.9	10
210	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.	1.0	10
211	Deformation and fracture behavior of a RSP Al ⁴ Li alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002, 336, 135-142.	2.6	9
212	Investigation on Dynamic Recrystallization Behavior in Hot Deformed Superalloy Inconel 718. <i>Materials Science Forum</i> , 2007, 546-549, 1297-1300.	0.3	9
213	Relationship between boundary misorientation angle and true strain during high temperature deformation of 7050 aluminum alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2008, 18, 795-798.	1.7	9
214	Influence of annealing on the structure and ferroelectric properties of Sr _{0.13} Na _{0.37} Bi _{0.50} TiO ₃ thin films prepared by metalorganic solution deposition. <i>Journal of Alloys and Compounds</i> , 2010, 504, 155-158.	2.8	9
215	Effects of proton irradiation on structure of NdFeB permanent magnets studied by X-ray diffraction and X-ray absorption fine structure. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 4-6.	1.0	9
216	Colloidal synthesis and formation mechanism of calcium molybdate notched microspheres. <i>CrystEngComm</i> , 2014, 16, 2598.	1.3	9

#	ARTICLE	IF	CITATIONS
217	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.	1.0	9
218	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.	2.3	9
219	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.	1.7	9
220	Solvothermal Synthesis of InOOH Nanospheres with Enhanced Photocatalytic Activity. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 522-528.	1.0	9
221	Designing $\text{Co}_7\text{Fe}_3@ \text{TiO}_2$ Core-Shell Nanospheres for Electromagnetic Wave Absorption in S and C Bands. <i>Electronic Materials Letters</i> , 2020, 16, 413-423.	1.0	9
222	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.	3.6	9
223	Strain engineering of quasi-1D layered TiS_3 nanosheets toward giant anisotropic Raman and piezoresistance responses. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	9
224	2D Indium Phosphorus Sulfide ($\text{In}_2\text{P}_3\text{S}_9$): An Emerging van der Waals High- κ Dielectrics. <i>Small</i> , 2022, 18, e2104401.	5.2	9
225	Environmentally Friendly Aqueous Solution Synthesis of Hierarchical CaWO_4 Microspheres at Room Temperature. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 1288-1294.	0.9	8
226	Preparation and characterization of $\text{Ca}_{0.18}\text{Na}_{0.32}\text{Bi}_{0.50}\text{TiO}_3$ ferroelectric thin films by metalorganic solution deposition. <i>Journal of Alloys and Compounds</i> , 2010, 489, 136-139.	2.8	8
227	Single-crystal $\text{Na}_2\text{Ti}_6\text{O}_{13}$ nanorings formed by self-coiling of a nanobelt. <i>CrystEngComm</i> , 2011, 13, 2674.	1.3	8
228	Synthesis of Zn(II)-Doped Magnetite Leaf-Like Nanorings for Efficient Electromagnetic Wave Absorption. <i>Scientific Reports</i> , 2017, 7, 45480.	1.6	8
229	Hierarchical Mn_3O_4 Microplates Composed of Stacking Porous Nanosheets for High-Performance Lithium Storage. <i>ChemElectroChem</i> , 2017, 4, 2703-2708.	1.7	8
230	Salt-templated synthesis of Co_9S_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.	1.9	8
231	Self-Assembly of 2D Nanosheets into 1D Nanostructures for Sensing NO_2 . <i>Small Structures</i> , 2021, 2, 2100067.	6.9	8
232	Effects of proton irradiation on electronic structure of NdFeB permanent magnets. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009, 267, 3084-3086.	0.6	7
233	Crystal plasticity simulation of polycrystalline aluminum and the effect of mesh refinement on mechanical responses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 6673-6679.	2.6	7
234	Topochemical synthesis and magnetic properties of $\text{BaFe}_{12}\text{O}_{19}$ nanorods using FeOOH nanowires as templates. <i>Ceramics International</i> , 2014, 40, 8593-8597.	2.3	7

#	ARTICLE	IF	CITATIONS
235	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.	2.6	7
236	Self-supported construction of 3D CdMoO ₄ hierarchical structures from nanoplates with enhanced photocatalytic properties. <i>RSC Advances</i> , 2014, 4, 38527-38534.	1.7	7
237	Sodium chloride induced formation of square-shaped cadmium molybdate nanoplates. <i>Materials Letters</i> , 2014, 131, 292-294.	1.3	7
238	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.	2.6	7
239	Folded sheet resonators that aim at low frequency attenuation of surface elastic waves in solids. <i>Journal of Applied Physics</i> , 2020, 127, 164904.	1.1	7
240	Lowering the Contact Barriers of 2D Organic F ₁₆ CuPc Field-Effect Transistors by Introducing Van der Waals Contacts. <i>Small</i> , 2021, 17, e2007739.	5.2	7
241	2D-1D mixed-dimensional heterostructures: progress, device applications and perspectives. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 493001.	0.7	7
242	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.	5.0	7
243	Microstructure and mechanical property of Cu ₂ O-Cu cermet prepared by in-situ reduction-hot pressing method. <i>Materials Letters</i> , 2008, 62, 3121-3123.	1.3	6
244	Microstructure evolution in hot deformation of 7050 aluminium alloy with coarse elongated grains. <i>Materials Science and Technology</i> , 2008, 24, 281-286.	0.8	6
245	Mössbauer spectrometry study of early stage spinodal decomposition in Fe-Cr-Co alloy under high magnetic field. <i>Materials Letters</i> , 2009, 63, 64-65.	1.3	6
246	Surfactant-free hydrothermal synthesis and characterization of single-crystal K ₂ V ₈ O ₂₁ nanobelts. <i>Ceramics International</i> , 2010, 36, 1825-1829.	2.3	6
247	Phase field simulation of spinodal decomposition under external magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 978-986.	1.0	6
248	Effect of microstructure on the electromagnetic properties of Al ₁₈ B ₄ O ₃₃ w/Co and Al ₁₈ B ₄ O ₃₃ w/FeCo composite particles. <i>Journal of Applied Physics</i> , 2012, 112, 053917.	1.1	6
249	Synthesis and electromagnetic properties of Fe/SiO ₂ yolk/shell nanospheres with improved oxidation resistance. <i>Micro and Nano Letters</i> , 2013, 8, 349-352.	0.6	6
250	Adhesion and electronic structures of Cu/Zn ₂ SnO ₄ interfaces: A first-principles study. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	6
251	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.	1.0	6
252	Jerky flow behavior in a rapid solidification processed Al-Li alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998, 248, 221-229.	2.6	5

#	ARTICLE	IF	CITATIONS
253	Permeability calculation in composite media with low filler concentration: A new method of effective media theory application. <i>Journal of Applied Physics</i> , 2009, 105, 07A526.	1.1	5
254	Effect of Bi ₂ Ti ₂ O ₇ Seeding Layer on Capacitance-voltage Properties of Bi _{3.54} Nd _{0.46} Ti ₃ O ₁₂ Films. <i>Journal of Materials Science and Technology</i> , 2010, 26, 206-210.	5.6	5
255	Aqueous solution synthesis and photoluminescence properties of two-dimensional dendritic PbWO ₄ nanostructures. <i>Materials Research Bulletin</i> , 2014, 56, 1-7.	2.7	5
256	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.	1.1	5
257	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.	2.0	5
258	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.	2.6	5
259	Impact fracture of rapid solidification processed Al-Li alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1996, 207, 87-96.	2.6	4
260	Effect of quenching rate on microstructures of a NiAl alloy. <i>Materials Letters</i> , 2001, 48, 121-126.	1.3	4
261	Through-Thickness Microstructure, Texture and Strength Gradients in AA 7055 Rolled Plate. <i>Materials Science Forum</i> , 2007, 546-549, 957-960.	0.3	4
262	High Temperature Deformation Mechanism of 7075 Aluminum Alloy. <i>Key Engineering Materials</i> , 2007, 353-358, 691-694.	0.4	4
263	Template-free Hydrothermal Preparation of Mesoporous TiO ₂ Microspheres on a Large Scale. <i>Chemistry Letters</i> , 2008, 37, 938-939.	0.7	4
264	Microstructure and electromagnetic properties of Al ₁₈ B ₄ O ₃₃ w/Co composite particles prepared by electroless plating method. <i>Surface and Coatings Technology</i> , 2009, 203, 2221-2228.	2.2	4
265	Hyperfine structure variations in an Fe-Cr-Co alloy exposed to electron irradiation: Mössbauer spectroscopy characterization. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 338, 52-55.	0.6	4
266	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.	1.2	4
267	Topotactic Growth of Free-Standing Two-Dimensional Perovskite Niobates with Low Symmetry Phase. <i>Nano Letters</i> , 2021, 21, 4700-4707.	4.5	4
268	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.	5.9	4
269	Effects of Ga on the structural stability of Sm ₂ (Fe,Ga) ₁₇ compounds. <i>Materials Letters</i> , 2002, 57, 146-150.	1.3	3
270	Effect of porosity and copper content on compressive strength of Cu/Cu ₂ O cermet. <i>Journal of Materials Science</i> , 2004, 39, 731-732.	1.7	3

#	ARTICLE	IF	CITATIONS
271	Design of a two-layer ultra-wideband microwave absorber. , 2010, , .		3
272	Synthesis of lamellar niobic acid nanorods via proton-exchange and their conversion to T-Nb ₂ O ₅ nanorods. <i>Ceramics International</i> , 2012, 38, 861-865.	2.3	3
273	THE NEGATIVE EFFECT OF NON-NBT PHASE ON THE FERROELECTRIC PROPERTIES OF SR-DOPED NBT THIN FILM AND THE SOLUTIONS. <i>Surface Review and Letters</i> , 2013, 20, 1350012.	0.5	3
274	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.	1.6	3
275	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.	1.1	3
276	Charge Transport Behavior and Ultrasensitive Photoresponse Performance of Exfoliated F 16 CuPc Nanoflakes. <i>Advanced Optical Materials</i> , 2019, 7, 1901097.	3.6	3
277	Boosting the rate and cycling performance of \hat{I}^2 -Li V ₂ O ₅ nanorods for Li ion battery by electrode surface decoration. <i>Applied Surface Science</i> , 2020, 512, 145622.	3.1	3
278	Effect of Pre-Stretch on the Precipitation Behavior and the Mechanical Properties of 2219 Al Alloy. <i>Materials</i> , 2021, 14, 2101.	1.3	3
279	Microstructure Analysis and the Effect of Cr Additive on Electrical Performance of (Cp-Nb)/Cu-Cd Electrical Contact Materials. , 2006, , .		2
280	Mechanical properties and oxidation behavior of the Ti \hat{e} "24Al \hat{e} "14Nb \hat{e} "3V \hat{e} "0.5Mo alloy sheet. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 427, 42-50.	2.6	2
281	The Contact Resistance and Arc Erosion Behavior of Separable C _P -Nb-Cr/Cu-Cd Electrical Contact Material. <i>Key Engineering Materials</i> , 2007, 353-358, 886-889.	0.4	2
282	Grain characterization of nanostructured TiN coatings prepared by reactive plasma spraying. <i>Surface and Interface Analysis</i> , 2007, 39, 832-835.	0.8	2
283	Deformed Microstructure of AZ91 Magnesium Alloy Impacted by Projectiles with Velocities of 2-3 km/s. <i>Journal of Solid Mechanics and Materials Engineering</i> , 2010, 4, 720-726.	0.5	2
284	High strain rate superplasticity of TiN/2014Al composite. <i>Materials Science and Technology</i> , 2011, 27, 670-675.	0.8	2
285	Edge treatment for sidelobe reduction of parabolic reflector antenna with a two-layer absorber. , 2011, , .		2
286	Formation of tubular BaTiO ₃ nanoparticle assembly through the Kirkendall effect using Na ₂ Ti ₃ O ₇ nanowires as template. <i>Materials Research Bulletin</i> , 2013, 48, 4565-4569.	2.7	2
287	Preparation of LSM-Nano-Film via a Water-Based Impregnation Process and Its Application onto Porous LSCF Cathode. <i>Journal of the Electrochemical Society</i> , 2013, 160, F905-F909.	1.3	2
288	STUDY OF THE NON-NBT PHASE IN Sr DOPED NBT THIN FILMS. <i>Surface Review and Letters</i> , 2013, 20, 1350056.	0.5	2

#	ARTICLE	IF	CITATIONS
289	9 Percolation in disordered conductor/insulator composites. , 2017, , 440-467.		2
290	Precipitation during Quenching in 2A97 Aluminum Alloy and the Influences from Grain Structure. Materials, 2021, 14, 2802.	1.3	2
291	Influence of aging on the impact fracture behavior of a RSP Al-Li alloy. Scripta Metallurgica Et Materialia, 1994, 30, 529-533.	1.0	1
292	Hydrogen induced fracture in a RSP Al _i -Li alloy. Scripta Metallurgica Et Materialia, 1994, 31, 595-599.	1.0	1
293	Effect of Original Microstructure on the Hot Compression Behavior of Superalloy 718. Key Engineering Materials, 2007, 353-358, 515-518.	0.4	1
294	XMCD study of Fe-Cr-Co alloy under electron irradiation. Journal of Electron Spectroscopy and Related Phenomena, 2010, 180, 34-38.	0.8	1
295	Preparation, microstructure, and electromagnetic properties of Al ₁₈ B ₄ O ₃₃ w/CoxFeyBz composite powders. Surface and Coatings Technology, 2012, 212, 14-19.	2.2	1
296	Decorated membrane resonators as underground seismic wave barriers against high magnitude earthquakes. Journal of Applied Physics, 2020, 128, 084902.	1.1	1
297	An underground barrier of locally resonant metamaterial to attenuate surface elastic waves in solids. AIP Advances, 2020, 10, 075121.	0.6	1
298	In-situ tensile observation of a RSP Al-Li alloy in transmission electron microscope. Scripta Metallurgica Et Materialia, 1994, 30, 457-461.	1.0	0
299	Synthesis and Characterization of Single-Crystalline Alkali Titanate Nanowires.. ChemInform, 2005, 36, no.	0.1	0
300	Study of a Ceramic Thermocouple for Al Production. Materials Science Forum, 2007, 546-549, 2195-2198.	0.3	0
301	Dynamic Restoration Process of 7050 Aluminum Alloy during Superplastic Deformation. Key Engineering Materials, 2007, 353-358, 643-646.	0.4	0
302	DRX in 7050 Aluminum Alloy during Constraint Deformation Processing at High Temperature. Key Engineering Materials, 2007, 353-358, 647-650.	0.4	0
303	Texture Development during Cold and Cryogenic Rolling in AA 7055 Aluminum Alloy. Key Engineering Materials, 0, 353-358, 639-642.	0.4	0
304	High Strain Rate Superplastic Deformation Behavior of TiN ₂ /P ₂ /2014Al Composite. Advanced Materials Research, 0, 97-101, 1633-1636.	0.3	0
305	Effect of microstructure on electromagnetic properties of ferromagnetic/dielectric composite particles. , 2010, , .		0
306	Effect of Hot Rolling Deformation on Superplastic Deformation Behavior of TiN ₂ /P ₂ /2014Al Composite. Advanced Materials Research, 0, 264-265, 90-95.	0.3	0

#	ARTICLE	IF	CITATIONS
307	A Novel Ceramic Thermocouple Used in High-Temperature Measurement. <i>Advanced Materials Research</i> , 2011, 197-198, 328-332.	0.3	0
308	2D Materials: Electrochemical Intercalation in Atomically Thin van der Waals Materials for Structural Phase Transition and Device Applications (<i>Adv. Mater.</i> 6/2021). <i>Advanced Materials</i> , 2021, 33, 2170043.	11.1	0
309	Microstructures and Magnetic Properties of Single-Step Deposited Ce:YIG/YIG Bilayer Films With Different Layer Thickness Ratios. <i>IEEE Transactions on Magnetics</i> , 2022, 58, 1-5.	1.2	0