

Gao-Wu Qin

List of Publications by Year in descending order

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223
papers

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citations

76196

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228
docs citations

228
times ranked

6658
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibacterial metals and alloys for potential biomedical implants. <i>Bioactive Materials</i> , 2021, 6, 2569-2612.	8.6	283
2	Facile "Green" Synthesis, Characterization, and Catalytic Function of β -D-Glucose-Stabilized Au Nanocrystals. <i>Chemistry - A European Journal</i> , 2006, 12, 2131-2138.	1.7	278
3	Recent developments in rare-earth free wrought magnesium alloys having high strength: A review. <i>Journal of Alloys and Compounds</i> , 2016, 663, 321-331.	2.8	261
4	Mechanistic investigation of a low-alloy Mg-Ca-based extrusion alloy with high strength-ductility synergy. <i>Acta Materialia</i> , 2020, 186, 278-290.	3.8	250
5	High-Magnetization FeCo Nanochains with Ultrathin Interfacial Gaps for Broadband Electromagnetic Wave Absorption at Gigahertz. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3494-3498.	4.0	152
6	Fe@C nanocapsules with substitutional sulfur heteroatoms in graphitic shells for improving microwave absorption at gigahertz frequencies. <i>Carbon</i> , 2018, 126, 372-381.	5.4	122
7	Enhancing mechanical properties of Mg-Sn alloys by combining addition of Ca and Zn. <i>Materials and Design</i> , 2015, 83, 736-744.	3.3	118
8	Role of Cu element in biomedical metal alloy design. <i>Rare Metals</i> , 2019, 38, 476-494.	3.6	110
9	Enzyme-free amperometric sensing of hydrogen peroxide and glucose at a hierarchical Cu ₂ O modified electrode. <i>Talanta</i> , 2011, 85, 1260-1264.	2.9	107
10	Multiple-phase carbon-coated FeSn ₂ /Sn nanocomposites for high-frequency microwave absorption. <i>Carbon</i> , 2016, 96, 972-979.	5.4	107
11	Effect of nano/micro-Ag compound particles on the bio-corrosion, antibacterial properties and cell biocompatibility of Ti-Ag alloys. <i>Materials Science and Engineering C</i> , 2017, 75, 906-917.	3.8	102
12	Gigahertz Dielectric Polarization of Substitutional Single Niobium Atoms in Defective Graphitic Layers. <i>Physical Review Letters</i> , 2015, 115, 147601.	2.9	101
13	Oxygen-sulfur Co-substitutional Fe@C nanocapsules for improving microwave absorption properties. <i>Science Bulletin</i> , 2020, 65, 623-630.	4.3	100
14	Direct evidence of magnetically induced phase separation in the fcc phase and thermodynamic calculations of phase equilibria of the Co-Cr system. <i>Acta Materialia</i> , 2002, 50, 2223-2232.	3.8	91
15	A graded nano-TiN coating on biomedical Ti alloy: Low friction coefficient, good bonding and biocompatibility. <i>Materials Science and Engineering C</i> , 2017, 71, 520-528.	3.8	86
16	Enhanced photoelectrochemical activity for Cu and Ti doped hematite: The first principles calculations. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	84
17	Ultrasml tungsten carbide catalysts stabilized in graphitic layers for high-performance oxygen reduction reaction. <i>Nano Energy</i> , 2016, 28, 261-268.	8.2	78
18	Cu ₂ ZnSnS ₄ thin films: Facile and cost-effective preparation by RF-magnetron sputtering and texture control. <i>Journal of Alloys and Compounds</i> , 2013, 552, 418-422.	2.8	69

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19	Optimization of mechanical properties, biocorrosion properties and antibacterial properties of as-cast Ti-Cu alloys. <i>Biomedical Materials (Bristol)</i> , 2016, 11, 065001.	1.7	66
20	Electrospinning synthesis of transition metal alloy nanoparticles encapsulated in nitrogen-doped carbon layers as an advanced bifunctional oxygen electrode. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7245-7252.	5.2	66
21	A novel biomedical titanium alloy with high antibacterial property and low elastic modulus. <i>Journal of Materials Science and Technology</i> , 2021, 81, 13-25.	5.6	61
22	An <i>in situ</i> Bi-decorated BiOBr photocatalyst for synchronously treating multiple antibiotics in water. <i>Nanoscale Advances</i> , 2019, 1, 1124-1129.	2.2	60
23	What controls the antibacterial activity of Ti-Ag alloy, Ag ion or Ti ₂ Ag particles?. <i>Materials Science and Engineering C</i> , 2020, 109, 110548.	3.8	59
24	Microstructure, Mechanical Properties and Fracture Behavior of As-Extruded Zn-Mg Binary Alloys. <i>Acta Metallurgica Sinica (English Letters)</i> , 2017, 30, 931-940.	1.5	57
25	Phase equilibria of the long-period stacking ordered phase in the Mg-Ni-Y system. <i>Intermetallics</i> , 2015, 57, 127-132.	1.8	55
26	Dependence of gigahertz microwave absorption on the mass fraction of Co@C nanocapsules in composite. <i>Journal of Alloys and Compounds</i> , 2017, 724, 1023-1029.	2.8	55
27	Optimization of mechanical properties, biocorrosion properties and antibacterial properties of wrought Ti-3Cu alloy by heat treatment. <i>Bioactive Materials</i> , 2018, 3, 28-38.	8.6	55
28	Improved microwave absorption properties by atomic-scale substitutions. <i>Carbon</i> , 2018, 139, 181-188.	5.4	54
29	Theoretical Understanding of Enhanced Photoelectrochemical Catalytic Activity of Sn-Doped Hematite: Anisotropic Catalysis and Effects of Morin Transition and Sn Doping. <i>Journal of Physical Chemistry C</i> , 2013, 117, 3779-3784.	1.5	51
30	Tuning orientation of doped hematite photoanodes for enhanced photoelectrochemical water oxidation. <i>Solar Energy Materials and Solar Cells</i> , 2018, 179, 328-333.	3.0	51
31	Effect of extrusion speed on microstructure and mechanical properties of the Mg-Ca binary alloy. <i>Journal of Magnesium and Alloys</i> , 2020, 9, 1297-1297.	5.5	49
32	Effect of ultrasonic micro-arc oxidation on the antibacterial properties and cell biocompatibility of Ti-Cu alloy for biomedical application. <i>Materials Science and Engineering C</i> , 2020, 115, 110921.	3.8	48
33	Microstructure and tensile properties of as-extruded Mg-Sn-Y alloys. <i>Transactions of Nonferrous Metals Society of China</i> , 2010, 20, s493-s497.	1.7	47
34	Electrodeposition of Sn-doped hollow Fe ₂ O ₃ nanostructures for photoelectrochemical water splitting. <i>Journal of Alloys and Compounds</i> , 2013, 574, 421-426.	2.8	47
35	Self-assembly of D-glucose-stabilized Pt nanocrystals into nanowire-like structures. <i>Chemical Communications</i> , 2005, , 2972.	2.2	45
36	Uniform surface modification of diatomaceous earth with amorphous manganese oxide and its adsorption characteristics for lead ions. <i>Applied Surface Science</i> , 2014, 317, 724-729.	3.1	45

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37	Magnetoresistance Effect in Rubrene-Based Spin Valves at Room Temperature. ACS Applied Materials & Interfaces, 2015, 7, 4685-4692.	4.0	45
38	Fabrication of long-range ordered, broccoli-like SERS arrays and application in detecting endocrine disrupting chemicals. Journal of Materials Chemistry C, 2015, 3, 1309-1318.	2.7	45
39	Microstructures and tensile properties of as-extruded Mg-Sn binary alloys. Transactions of Nonferrous Metals Society of China, 2010, 20, 1321-1325.	1.7	43
40	One-step fabrication of sub-10-nm plasmonic nanogaps for reliable SERS sensing of microorganisms. Biosensors and Bioelectronics, 2013, 44, 191-197.	5.3	43
41	Assembled micro-nano particles with multiple interface polarizations for electromagnetic absorption at gigahertz. Applied Physics Letters, 2014, 104, .	1.5	43
42	Microstructure and tribocorrosion performance of nanocrystalline TiN graded coating on biomedical titanium alloy. Transactions of Nonferrous Metals Society of China, 2019, 29, 1026-1035.	1.7	42
43	Ultralight and high-elastic carbon foam with hollow framework for dynamically tunable electromagnetic interference shielding at gigahertz frequency. Carbon, 2019, 153, 330-336.	5.4	42
44	(Ti/Zr,N) codoped hematite for enhancing the photoelectrochemical activity of water splitting. Physical Chemistry Chemical Physics, 2015, 17, 22179-22186.	1.3	41
45	Co-existences of the two types of δ precipitations in peak-aged Mg-Gd binary alloy. Journal of Alloys and Compounds, 2018, 738, 32-36.	2.8	41
46	Formation and characterization of graphite-encapsulated cobalt nanoparticles synthesized by electric discharge in an ultrasonic cavitation field of liquid ethanol. Acta Materialia, 2007, 55, 3671-3680.	3.8	40
47	Achieving high strength in indirectly-extruded binary Mg-Ca alloy containing Guinier-Preston zones. Journal of Alloys and Compounds, 2015, 630, 272-276.	2.8	39
48	Room temperature magnetoresistance effects in ferroelectric poly(vinylidene fluoride) spin valves. Journal of Materials Chemistry C, 2017, 5, 5055-5062.	2.7	37
49	Anti-bacterium influenced corrosion effect of antibacterial Ti-3Cu alloy in Staphylococcus aureus suspension for biomedical application. Materials Science and Engineering C, 2019, 94, 376-384.	3.8	37
50	The phase equilibria and thermal stability of the long-period stacking ordered phase in the Mg-Cu-Y system. Journal of Alloys and Compounds, 2014, 593, 141-147.	2.8	35
51	Break Snoek limit via superparamagnetic coupling in Fe ₃ O ₄ /silica multiple-core/shell nanoparticles. Applied Physics Letters, 2015, 106, .	1.5	35
52	Oxygen vacancy induced superior visible-light-driven photodegradation pollutant performance in BiOCl microflowers. New Journal of Chemistry, 2018, 42, 3614-3618.	1.4	35
53	Improvement in antibacterial properties and cytocompatibility of titanium by fluorine and oxygen dual plasma-based surface modification. Applied Surface Science, 2019, 463, 261-274.	3.1	35
54	Abnormal thermal stability of sub-10 nm Au nanoparticles and their high catalytic activity. Journal of Materials Chemistry A, 2019, 7, 10980-10987.	5.2	35

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55	DFT study on elastic and piezoelectric properties of tetragonal BaTiO ₃ . Computational Materials Science, 2010, 49, S372-S377.	1.4	34
56	Synthesis of CuOx@CeO ₂ catalyst with high-density interfaces for selective oxidation of CO in H ₂ -rich stream. International Journal of Hydrogen Energy, 2019, 44, 4156-4166.	3.8	34
57	<i>In situ</i> synthesis of Ni/NiO composites with defect-rich ultrathin nanosheets for highly efficient biomass-derivative selective hydrogenation. Journal of Materials Chemistry A, 2019, 7, 17834-17841.	5.2	33
58	Engineering the epitaxial interface of Pt-CeO ₂ by surface redox reaction guided nucleation for low temperature CO oxidation. Journal of Materials Science and Technology, 2020, 40, 39-46.	5.6	33
59	Development of high density magnetic recording media for hard disk drives: materials science issues and challenges. International Materials Reviews, 2009, 54, 157-179.	9.4	32
60	Hydrogen generation by water splitting on hematite (0001) surfaces: first-principles calculations. Physical Chemistry Chemical Physics, 2014, 16, 25442-25448.	1.3	32
61	Synthesis and characterization of morphology-controllable BiFeO ₃ particles with efficient photocatalytic activity. Materials Research Bulletin, 2019, 112, 104-108.	2.7	32
62	Ultra-stable metal nano-catalyst synthesis strategy: a perspective. Rare Metals, 2020, 39, 113-130.	3.6	32
63	Two-dimensional ferromagnetic semiconductors of rare-earth monolayer GdX ₂ (X = Cl, Br, I) with large perpendicular magnetic anisotropy and high Curie temperature. Materials Today Physics, 2021, 21, 100514.	2.9	32
64	A synergistic combination of diatomaceous earth with Au nanoparticles as a periodically ordered, button-like substrate for SERS analysis of the chemical composition of eccrine sweat in latent fingerprints. Journal of Materials Chemistry C, 2015, 3, 4933-4944.	2.7	30
65	Phase modification of copper phthalocyanine semiconductor by converting powder to thin film. Applied Surface Science, 2018, 428, 788-792.	3.1	30
66	Interface engineering of Co ₃ O ₄ loaded CaFe ₂ O ₄ /Fe ₂ O ₃ heterojunction for photoelectrochemical water oxidation. Applied Surface Science, 2019, 466, 92-98.	3.1	30
67	Position selective dielectric polarization enhancement in CNT based heterostructures for highly efficient microwave absorption. Nanoscale, 2021, 13, 2324-2332.	2.8	30
68	Fabrication of Large-Area, High-Enhancement SERS Substrates with Tunable Interparticle Spacing and Application in Identifying Microorganisms at the Single Cell Level. Journal of Physical Chemistry C, 2012, 116, 3320-3328.	1.5	29
69	Rapid room-temperature synthesis and visible-light photocatalytic properties of BiOI nanoflowers. Journal of Alloys and Compounds, 2015, 639, 445-451.	2.8	28
70	Control of Catalytic Activity of Nano-Au through Tailoring the Fermi Level of Support. Small, 2019, 15, e1901789.	5.2	27
71	Prediction of effective elements for magnetically induced phase separation in Co-Cr-based magnetic recording media. Applied Physics Letters, 2001, 79, 644-646.	1.5	26
72	Grain refining mechanism of Al-containing Mg alloys with the addition of Mn-Al alloys. Journal of Alloys and Compounds, 2010, 507, 410-413.	2.8	26

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73	4d transition-metal doped hematite for enhancing photoelectrochemical activity: theoretical prediction and experimental confirmation. <i>RSC Advances</i> , 2015, 5, 19353-19361.	1.7	26
74	New Structured Laves Phase in the Mg-In-Ca System with Nontranslational Symmetry and Two Unit Cells. <i>Physical Review Letters</i> , 2018, 120, 085701.	2.9	25
75	Antibacterial effect of Ti Ag alloy motivated by Ag-containing phases. <i>Materials Science and Engineering C</i> , 2021, 128, 112266.	3.8	25
76	Co/Co ₃ O ₄ nanoparticles embedded into thin O-doped graphitic layer as bifunctional oxygen electrocatalysts for Zn-air batteries. <i>Chemical Engineering Journal</i> , 2022, 427, 130931.	6.6	25
77	Dependence on the structure and surface polarity of ZnS photocatalytic activities of water splitting: first-principles calculations. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 9531.	1.3	23
78	Spin conserved electron transport behaviors in fullerenes (C ₆₀ and C ₇₀) spin valves. <i>Carbon</i> , 2016, 106, 202-207.	5.4	23
79	c-In ₂ O ₃ /In ₂ Fe ₂ O ₃ heterojunction photoanodes for water oxidation. <i>Journal of Materials Science</i> , 2016, 51, 8148-8155.	1.7	23
80	Kinetic study of a novel electroless Ni P deposition on AZ91D magnesium alloy using nickel hypophosphite as the metal salt. <i>Journal of Alloys and Compounds</i> , 2017, 694, 1133-1139.	2.8	23
81	Effects of single-pass large-strain rolling on microstructure and mechanical properties of Mg-Al-Ca alloy sheet. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 786, 139332.	2.6	23
82	Development of a low elastic modulus and antibacterial Ti-13Nb-13Zr-5Cu titanium alloy by microstructure controlling. <i>Materials Science and Engineering C</i> , 2021, 126, 112116.	3.8	23
83	Discontinuous coarsening of the lamellar structure of Ti ₃ Al-based intermetallic alloys and its control. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2001, 32, 1927-1938.	1.1	22
84	Magnetically induced phase separation and magnetic properties of Co-Mo hexagonal-close-packed structure thin films. <i>Applied Physics Letters</i> , 2003, 83, 966-968.	1.5	22
85	Capping Groups Induced Size and Shape Evolution of Magnetite Particles Under Hydrothermal Condition and their Magnetic Properties. <i>Journal of the American Ceramic Society</i> , 2009, 92, 631-635.	1.9	22
86	On the dynamic mechanical property and deformation mechanism of as-extruded Mg-Sn-Ca alloys under tension. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 664, 43-48.	2.6	22
87	Pt-doped In ₂ Fe ₂ O ₃ photoanodes prepared by a magnetron sputtering method for photoelectrochemical water splitting. <i>Materials Research Bulletin</i> , 2017, 91, 214-219.	2.7	22
88	Self-Assembly of Two Unit Cells into a Nanodomain Structure Containing Five-Fold Symmetry. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4373-4378.	2.1	22
89	Nanoscale nickel-iron nitride-derived efficient electrochemical oxygen evolution catalysts. <i>Catalysis Science and Technology</i> , 2020, 10, 4458-4466.	2.1	22
90	Activating profuse pyramidal slips in magnesium alloys via raising strain rate to dynamic level. <i>Journal of Alloys and Compounds</i> , 2016, 688, 149-152.	2.8	20

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91	Synchronous Growth of Porous MgO and Half-Embedded Nano-Ru on a Mg Plate: A Monolithic Catalyst for Fast Hydrogen Production. ACS Sustainable Chemistry and Engineering, 2021, 9, 3616-3623.	3.2	20
92	Nonsymmetrical Segregation of Solutes in Periodic Misfit Dislocations Separated Tilt Grain Boundaries. Nano Letters, 2021, 21, 2870-2875.	4.5	20
93	Preparation and visible-light-driven photocatalytic property of AgX (X=Cl, Br, I) nanomaterials. Journal of Alloys and Compounds, 2019, 776, 948-953.	2.8	19
94	Microstructure and mechanical property of multi-pass low-strain rolled Mg-Al-Zn-Mn alloy sheet. Journal of Alloys and Compounds, 2020, 835, 155228.	2.8	19
95	Construction of a TiO ₂ /Cu ₂ O multifunctional coating on Ti-Cu alloy and its influence on the cell compatibility and antibacterial properties. Surface and Coatings Technology, 2021, 421, 127438.	2.2	19
96	Design and preparation of a biomedical titanium alloy with low elastic modulus and high antibacterial property based on Ti-Mo-Ag system. Journal of Alloys and Compounds, 2022, 908, 164639.	2.8	19
97	Discontinuous coarsening of primary β_2/β_3 lamellae at colony boundaries in β_3 -TiAl-based alloys. Intermetallics, 1999, 7, 1-4.	1.8	18
98	Effect of solid solution treatment on in vitro degradation rate of as-extruded Mg-Zn-Ag alloys. Transactions of Nonferrous Metals Society of China, 2017, 27, 2607-2612.	1.7	18
99	Phase equilibria of Mg-rich corner in Mg-Zn-Al ternary system at 300 °C. Transactions of Nonferrous Metals Society of China, 2012, 22, 241-245.	1.7	17
100	Re-determination of $\beta_3/(\beta_3+\beta_2\text{-Mg})$ phase boundary and experimental evidence of R intermetallic compound existing at lower temperatures in the Mg-Al binary system. Journal of Alloys and Compounds, 2012, 540, 210-214.	2.8	17
101	Anomalous crystal structure of β_3 phase in the Mg-RE-Zn(Ag) series alloys: Causality clarified by ab initio study. Journal of Materials Science and Technology, 2020, 36, 167-175.	5.6	17
102	Role of Al addition in modifying microstructure and mechanical properties of Mg-1.0wt% Ca based alloys. Materials Characterization, 2020, 169, 110608.	1.9	17
103	Carbon-CeO ₂ interface confinement enhances the chemical stability of Pt nanocatalyst for catalytic oxidation reactions. Science China Materials, 2021, 64, 128-136.	3.5	17
104	Ledge mechanism of primary β_2/β_3 lamellae growing in the supersaturated β_2 matrix for β_3 -TiAl-based (β_2/β_3) alloy. Scripta Materialia, 1998, 39, 289-293.	2.6	16
105	Permeability of submicron and nanometer ferromagnetic particle composites. Journal of Applied Physics, 2007, 101, 09M505.	1.1	16
106	Chemical synthesis of faceted β_2 -Fe ₂ O ₃ single-crystalline nanoparticles and their photocatalytic activity. Journal of Materials Science, 2013, 48, 5744-5749.	1.7	16
107	Copper wires with seamless 1D nanostructures: Preparation and electrochemical sensing performance. Materials Letters, 2018, 211, 247-249.	1.3	16
108	Preparation and photocatalytic property of porous β_2 -Fe ₂ O ₃ nanoflowers. Materials Research Bulletin, 2018, 107, 94-99.	2.7	16

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109	Biocorrosion properties of Tiâ€“3Cu alloy in F ion-containing solution and acidic solution and biocompatibility. <i>Rare Metals</i> , 2019, 38, 503-511.	3.6	16
110	Synthesis of doped MnOx/diatomite composites for catalyzing ozone decomposition. <i>Ceramics International</i> , 2019, 45, 6966-6971.	2.3	16
111	Re-recognition of the aging precipitation behavior in the Mgâ€“Sm binary alloy. <i>Journal of Alloys and Compounds</i> , 2020, 814, 152320.	2.8	16
112	Determination of surface crystallography of faceted nanoparticles using transmission electron microscopy imaging and diffraction modes. <i>Journal of Applied Crystallography</i> , 2009, 42, 519-524.	1.9	15
113	Isothermal section of Mgâ€“Znâ€“Zr ternary system at 345Â° C. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2011, 35, 411-415.	0.7	15
114	Thermal Oxidation Preparation of Doped Hematite Thin Films for Photoelectrochemical Water Splitting. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-6.	1.4	15
115	Fabrication of tunable Au SERS nanostructures by a versatile technique and application in detecting sodium cyclamate. <i>RSC Advances</i> , 2014, 4, 22660-22668.	1.7	15
116	Insight into variant selection of seven-layer modulated martensite in Niâ€“Mnâ€“Ga thin films grown on MgO(0 0 1) substrate. <i>Acta Materialia</i> , 2015, 93, 205-217.	3.8	15
117	Predictions on the compositions, structures, and mechanical properties of intermediate phases in binary Mgâ€“X (X = Sn, Y, Sc, Ag) alloys. <i>Computational Materials Science</i> , 2015, 106, 180-187.	1.4	15
118	Improvement in antibacterial ability and cell cytotoxicity of Tiâ€“Cu alloy by anodic oxidation. <i>Rare Metals</i> , 2022, 41, 594-609.	3.6	15
119	Enhanced antibacterial activity of Ti-Cu alloy by selective acid etching. <i>Surface and Coatings Technology</i> , 2021, 421, 127478.	2.2	15
120	Towards ultrastrong and ductile medium-entropy alloy through dual-phase ultrafine-grained architecture. <i>Journal of Materials Science and Technology</i> , 2022, 126, 228-236.	5.6	15
121	Wood-Derived Porous Carbon/Iron Oxide Nanoparticle Composites for Enhanced Electromagnetic Interference Shielding. <i>ACS Applied Nano Materials</i> , 2022, 5, 8537-8545.	2.4	15
122	Partial phase relationships of Mg-Zn-Ce system at 350 Â°C. <i>Transactions of Nonferrous Metals Society of China</i> , 2009, 19, 681-685.	1.7	14
123	Structural and magnetic properties of L10-FePt/Fe exchange coupled nano-composite thin films with high energy product. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 345, 165-170.	1.0	14
124	Formation of profuse <c+a> dislocations in deformed calcium-containing magnesium alloys. <i>Philosophical Magazine Letters</i> , 2016, 96, 249-255.	0.5	14
125	Band engineering of multicomponent semiconductors: a general theoretical model on the anion group. <i>Energy and Environmental Science</i> , 2018, 11, 692-701.	15.6	14
126	Magnetoresistance Effect and the Applications for Organic Spin Valves Using Molecular Spacers. <i>Materials</i> , 2018, 11, 721.	1.3	14

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127	Morphology and Mechanical, Corrosive, and Antibacterial Behaviors of Indirectly Extruded Zn-0.05wt.%Mg-(0.5, 1Åwt.%)Ag Alloys. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 6864-6872.	1.2	14
128	Synergistic effects of dopant (Ti or Sn) and oxygen vacancy on the electronic properties of hematite: a DFT investigation. <i>RSC Advances</i> , 2020, 10, 23263-23269.	1.7	14
129	Direct observation of magnetically induced phase separation in Co-W sputtered thin films. <i>Applied Physics Letters</i> , 2004, 85, 2559-2561.	1.5	13
130	Thermodynamic assessment of Au-Pt system. <i>Transactions of Nonferrous Metals Society of China</i> , 2012, 22, 1432-1436.	1.7	13
131	ZnO/ZnFe ₂ O ₄ /Ag hollow nanofibers with multicomponent heterojunctions for highly efficient photocatalytic water pollutants removal. <i>Ceramics International</i> , 2019, 45, 23522-23527.	2.3	13
132	Defect states dependence of spin transport in iron phthalocyanine spin valves. <i>Physical Review B</i> , 2019, 99, .	1.1	13
133	Incoherent magnetization reversal in Co-Pt nanodots investigated by magnetic force microscopy. <i>Acta Materialia</i> , 2011, 59, 4818-4824.	3.8	12
134	Fabrication of CaFe ₂ O ₄ nanofibers via electrospinning method with enhanced visible light photocatalytic activity. <i>Functional Materials Letters</i> , 2017, 10, 1750058.	0.7	12
135	Microstructure, Mechanical Properties and Corrosion Behavior of Extruded Mg-Zn-Ag Alloys with Single-Phase Structure. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018, 31, 575-583.	1.5	12
136	Unexpected magnetic coupling oscillations for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{L} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:m} \rangle \langle \text{mml:m} \rangle 2 \langle \text{mml:m} \rangle \langle \text{mml:m} \rangle$ films induced by quantum wells. <i>Physical Review B</i> , 2018, 97, .	1.4	12
137	Defective Fe ³⁺ self-doped spinel ZnFe ₂ O ₄ with oxygen vacancies for highly efficient photoelectrochemical water splitting. <i>Dalton Transactions</i> , 2019, 48, 11934-11940.	1.6	12
138	Enhanced resistive switching performance in yttrium-doped CH ₃ NH ₃ Pb ₃ perovskite devices. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 21757-21768.	1.3	12
139	A novel Ti-Au alloy with strong antibacterial properties and excellent biocompatibility for biomedical application. <i>Materials Science and Engineering C</i> , 2022, 133, 112653.	3.8	12
140	An antibacterial mechanism of titanium alloy based on micro-area potential difference induced reactive oxygen species. <i>Journal of Materials Science and Technology</i> , 2022, 119, 75-86.	5.6	12
141	BiOCl Hierarchical Nanoflowers with Superior Mixed-dye Photodegradation Activity. <i>Chemistry Letters</i> , 2015, 44, 1306-1308.	0.7	11
142	Effect of Cu/Zn on microstructure and mechanical properties of extruded Mg-Sn alloys. <i>Materials Science and Technology</i> , 2016, 32, 1240-1248.	0.8	11
143	Tuning microwave absorption properties by hybridizing heterogeneous components for core@shell structural Fe@SiC flakes. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 462, 46-52.	1.0	11
144	Evidence of a novel intermetallic Mg ₇ Ag ₃ phase in Mg-Ag binary alloy system. <i>Journal of Applied Crystallography</i> , 2018, 51, 844-848.	1.9	11

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145	Enhanced Initial Permeability of Composite Assembly of Ferromagnetic Particles. Journal of the Magnetism Society of Japan, 2006, 30, 540-544.	0.4	11
146	Thermodynamic calculations of the effect of B and Ta on magnetically induced phase separation in Co-Cr-Pt alloys. Applied Physics Letters, 2002, 80, 2704-2706.	1.5	10
147	Effect of reaction time on formation of CoNi particles prepared via the polyol method. Metals and Materials International, 2007, 13, 207-210.	1.8	10
148	Study of Permeability for Composites Including Fe, NiZn Ferrite and Fe-B-P Particles. IEEE Transactions on Magnetics, 2011, 47, 3160-3162.	1.2	10
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