Liang Zhen

List of Publications by Year
in descending order

309	10,968	26630 56	51608 86
papers	citations	h-index	g-index

312	312	312	13303
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Correlation between precipitates evolution and mechanical properties of Al-Sc-Zr alloy with Er additions. Journal of Materials Science and Technology, 2022, 99, 61-72.	10.7	32
2	Effects of interfacial wettability on arc erosion behavior of Zn2SnO4/Cu electrical contacts. Journal of Materials Science and Technology, 2022, 109, 64-75.	10.7	17
3	2D Indium Phosphorus Sulfide (In₂P₃S₉): An Emerging van der Waals Highâ€k Dielectrics. Small, 2022, 18, e2104401.	10.0	9
4	Bifunctional WCâ€Supported RuO₂ Nanoparticles for Robust Water Splitting in Acidic Media. Angewandte Chemie - International Edition, 2022, 61, .	13.8	89
5	Bifunctional WCâ€Supported RuO₂ Nanoparticles for Robust Water Splitting in Acidic Media. Angewandte Chemie, 2022, 134, .	2.0	11
6	Encapsulating atomic molybdenum into hierarchical nitrogen-doped carbon nanoboxes for efficient oxygen reduction. Journal of Colloid and Interface Science, 2022, 620, 67-76.	9.4	7
7	Microstructures and Magnetic Properties of Single-Step Deposited Ce:YIG/YIG Bilayer Films With Different Layer Thickness Ratios. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	0
8	Electrochemical Intercalation in Atomically Thin van der Waals Materials for Structural Phase Transition and Device Applications. Advanced Materials, 2021, 33, e2000581.	21.0	21
9	Mechanistic insights into interfaces and nitrogen vacancies in cobalt hydroxide/tungsten nitride catalysts to enhance alkaline hydrogen evolution. Journal of Materials Chemistry A, 2021, 9, 11323-11330.	10.3	12
10	Particle-stimulated nucleation and recrystallization texture initiated by coarsened Al2CuLi phase in Alâ€“Cuâ€“Li alloy. Journal of Materials Research and Technology, 2021, 10, 643-650.	5.8	41
11	2D Materials: Electrochemical Intercalation in Atomically Thin van der Waals Materials for Structural Phase Transition and Device Applications (Adv. Mater. 6/2021). Advanced Materials, 2021, 33, 2170043.	21.0	0
12	Lowering the Contact Barriers of 2D Organic F₁₆CuPc Fieldâ€Effect Transistors by Introducing Van der Waals Contacts. Small, 2021, 17, e2007739.	10.0	7
13	Effect of Pre-Stretch on the Precipitation Behavior and the Mechanical Properties of 2219 Al Alloy. Materials, 2021, 14, 2101.	2.9	3
14	Topotactic Growth of Free-Standing Two-Dimensional Perovskite Niobates with Low Symmetry Phase. Nano Letters, 2021, 21, 4700-4707.	9.1	4
15	Precipitation during Quenching in 2A97 Aluminum Alloy and the Influences from Grain Structure. Materials, 2021, 14, 2802.	2.9	2
16	Tailoring the Energy Funneling across the Interface in InSe/MoS₂ Heterostructures by Electrostatic Gating and Strain Engineering. Advanced Optical Materials, 2021, 9, 2100438.	7.3	9
17	Flaky FeSi particles with tunable size, morphology and microstructure developing for high-efficiency and broadband absorbing materials. Journal of Magnetism and Magnetic Materials, 2021, 527, 167800.	2.3	6
18	Selfâ€Assembly of 2D Nanosheets into 1D Nanostructures for Sensing NO 2. Small Structures, 2021, 2, 2100067.	12.0	8

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19	Tuning the Energy Storage Efficiency in PVDF Nanocomposites Incorporated with Crumpled Coreâ€“Shell BaTiO₃@Graphene Oxide Nanoparticles. ACS Applied Energy Materials, 2021, 4, 9553-9562.	5.1	12
20	Facile synthesis of porous Cu-Sn alloy electrode with prior selectivity of formate in a wide potential range for CO2 electrochemical reduction. Applied Catalysis B: Environmental, 2021, 292, 120119.	20.2	54
21	2Dâ€“1D mixed-dimensional heterostructures: progress, device applications and perspectives. Journal of Physics Condensed Matter, 2021, 33, 493001.	1.8	7
22	Mechanical Anisotropy in Two-Dimensional Selenium Atomic Layers. Nano Letters, 2021, 21, 8043-8050.	9.1	12
23	Data mining and design of electromagnetic properties of Co/FeSi filled coatings based on genetic algorithms optimized artificial neural networks (GA-ANN). Composites Part B: Engineering, 2021, 226, 109383.	12.0	4
24	Charge Transfer at the Heteroâ€Interface of WSe₂/InSe Induces Efficient Doping to Achieve Multiâ€Functional Lateral Homoâ€Junctions. Advanced Electronic Materials, 2021, 7, 2100584.	5.1	5
25	Strain engineering of quasi-1D layered TiS3 nanosheets toward giant anisotropic Raman and piezoresistance responses. Applied Physics Letters, 2021, 119, .	3.3	9
26	Texture evolution and recrystallization mechanism in a Mgâ€“3Alâ€“1Zn alloy under ballistic impact. Journal of Alloys and Compounds, 2020, 816, 152599.	5.5	11
27	Sandwich-like cobalt/reduced graphene oxide/cobalt composite structure presenting synergetic electromagnetic loss effect. Journal of Colloid and Interface Science, 2020, 561, 687-695.	9.4	23
28	Effects of coarse Al2CuLi phase on the hot deformation behavior of Alâ€“Li alloy. Journal of Alloys and Compounds, 2020, 815, 152469.	5.5	37
29	Designing Co7Fe3@TiO2 Coreâ€“Shell Nanospheres for Electromagnetic Wave Absorption in S and C Bands. Electronic Materials Letters, 2020, 16, 413-423.	2.2	9
30	Decorated membrane resonators as underground seismic wave barriers against high magnitude earthquakes. Journal of Applied Physics, 2020, 128, 084902.	2.5	1
31	Selective CO₂-to-formate electrochemical conversion with coreâ€“shell structured Cu₂O/Cu@C composites immobilized on nitrogen-doped graphene sheets. Journal of Materials Chemistry A, 2020, 8, 18302-18309.	10.3	24
32	Anisotropic Signal Processing with Trigonal Selenium Nanosheet Synaptic Transistors. ACS Nano, 2020, 14, 10018-10026.	14.6	43
33	Few-layer WSe2 lateral homo- and hetero-junctions with superior optoelectronic performance by laser manufacturing. Science China Technological Sciences, 2020, 63, 1531-1537.	4.0	5
34	An underground barrier of locally resonant metamaterial to attenuate surface elastic waves in solids. AIP Advances, 2020, 10, 075121.	1.3	1
35	Sulfur vacancies promoting Fe-doped Ni₃S₂ nanopyramid arrays as efficient bifunctional electrocatalysts for overall water splitting. Sustainable Energy and Fuels, 2020, 4, 3326-3333.	4.9	44
36	Folded sheet resonators that aim at low frequency attenuation of surface elastic waves in solids. Journal of Applied Physics, 2020, 127, 164904.	2.5	7

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37	Highly reversible oxygen redox in layered compounds enabled by surface polyanions. Nature Communications, 2020, 11, 3411.	12.8	54
38	Boosting the rate and cycling performance of Î²-Li V2O5 nanorods for Li ion battery by electrode surface decoration. Applied Surface Science, 2020, 512, 145622.	6.1	3
39	Reviving reversible anion redox in 3d-transition-metal Li rich oxides by introducing surface defects. Nano Energy, 2020, 71, 104644.	16.0	31
40	MOF-Derived Cu₂O/Cu Nanospheres Anchored in Nitrogen-Doped Hollow Porous Carbon Framework for Increasing the Selectivity and Activity of Electrochemical CO₂-to-Formate Conversion. ACS Applied Materials & Interfaces, 2020, 12, 7030-7037.	8.0	69
41	PEGylated Tantalum Nanoparticles: A Metallic Photoacoustic Contrast Agent for Multiwavelength Imaging of Tumors. Small, 2019, 15, e1903596.	10.0	27
42	Tuning the pore structure of porous tin foam electrodes for enhanced electrochemical reduction of carbon dioxide to formate. Chemical Engineering Journal, 2019, 375, 122024.	12.7	56
43	Highly localized shear deformation in a Mgâ€“Alâ€“Mn alloy subjected to ballistic impact. Vacuum, 2019, 169, 108868.	3.5	13
44	Charge Transport Behavior and Ultrasensitive Photoresponse Performance of Exfoliated F 16 CuPc Nanoflakes. Advanced Optical Materials, 2019, 7, 1901097.	7.3	3
45	Electrochemical reduction of carbon dioxide to formate via nano-prism assembled CuO microspheres. Chemosphere, 2019, 237, 124527.	8.2	21
46	Segregation of the major alloying elements to Al3(Sc,Zr) precipitates in an Alâ€“Znâ€“Mgâ€“Cuâ€“Scâ€“Zr alloy. Materials Characterization, 2019, 157, 109898.	4.4	33
47	Adhesion and electronic structures of Cu/Zn2SnO4 interfaces: A first-principles study. Journal of Applied Physics, 2019, 125, .	2.5	6
48	The effect of Cu and Sc on the localized corrosion resistance of Al-Zn-Mg-X alloys. Journal of Alloys and Compounds, 2019, 799, 1-14.	5.5	63
49	Ultrathin Co9S8 nanosheets vertically aligned on N,S/rGO for low voltage electrolytic water in alkaline media. Scientific Reports, 2019, 9, 1951.	3.3	36
50	Hybrid dual-channel phototransistor based on 1D t-Se and 2D ReS2 mixed-dimensional heterostructures. Nano Research, 2019, 12, 669-674.	10.4	34
51	Influence of Mg content on ageing precipitation behavior of Al-Cu-Li-x alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 742, 138-149.	5.6	43
52	Enhancement of strength and electrical conductivity for a dilute Al-Sc-Zr alloy via heat treatments and cold drawing. Journal of Materials Science and Technology, 2019, 35, 962-971.	10.7	56
53	Salt-templated synthesis of Co9S8 nanoparticles anchored on N, S co-doped carbon nanosheets towards high-performance water oxidation. Journal of Electroanalytical Chemistry, 2019, 835, 67-72.	3.8	8
54	Construction of FeP Hollow Nanoparticles Densely Encapsulated in Carbon Nanosheet Frameworks for Efficient and Durable Electrocatalytic Hydrogen Production. Advanced Science, 2019, 6, 1801490.	11.2	68

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55	In-situ growth of graphene decorated Ni3S2 pyramids on Ni foam for high-performance overall water splitting. Applied Surface Science, 2019, 465, 772-779.	6.1	39
56	Liquid Exfoliation of Colloidal Rhenium Disulfide Nanosheets as a Multifunctional Theranostic Agent for In Vivo Photoacoustic/CT Imaging and Photothermal Therapy. Small, 2018, 14, e1703789.	10.0	58
57	Air arc erosion behavior of CuZr/Zn2SnO4 electrical contact materials. Journal of Alloys and Compounds, 2018, 743, 697-706.	5.5	16
58	Topochemical synthesis of ultrathin nanosheet-constructed Fe3O4 hierarchical structures as high-performance anode for Li-ion batteries. Journal of Materials Science: Materials in Electronics, 2018, 29, 7805-7810.	2.2	5
59	Rational Construction of Uniform CoNi-Based Core-Shell Microspheres with Tunable Electromagnetic Wave Absorption Properties. Scientific Reports, 2018, 8, 3196.	3.3	31
60	Effects of long-term natural aging on the altered surface layer on an Al-Zn-Mg-Cu alloy and on corrosion properties. Electrochimica Acta, 2018, 266, 34-42.	5.2	7
61	Constructing yolk-shell MnO@C nanodiscs through a carbothermal reduction process for highly stable lithium storage. Chemical Engineering Journal, 2018, 336, 427-435.	12.7	45
62	Natural Humicâ€Acidâ€Based Phototheranostic Agent. Advanced Healthcare Materials, 2018, 7, e1701202.	7.6	31
63	Effects of dopants on the adhesion and electronic structure of a SnO₂/Cu interface: a first-principles study. Physical Chemistry Chemical Physics, 2018, 20, 15618-15625.	2.8	11
64	Biocompatible Fe3+â€“TA coordination complex with high photothermal conversion efficiency for ablation of cancer cells. Colloids and Surfaces B: Biointerfaces, 2018, 167, 183-190.	5.0	50
65	Ferroelectric resistive switching behavior in two-dimensional materials/BiFeO₃ hetero-junctions. Nanoscale, 2018, 10, 23080-23086.	5.6	24
66	Epitaxial Growth of 1D Atomic Chain Based Se Nanoplates on Monolayer ReS₂ for Highâ€Performance Photodetectors. Advanced Functional Materials, 2018, 28, 1806254.	14.9	52
67	Carbon-coated CoFeâ€“CoFe₂O₄ composite particles with high and dual-band electromagnetic wave absorbing properties. Nanotechnology, 2018, 29, 305604.	2.6	43
68	Controlled Movement of a Smart Miniature Submarine at Various Interfaces. ACS Applied Materials & Interfaces, 2018, 10, 24899-24904.	8.0	11
69	Microstructure evolution of polyimide films induced by electron beam irradiation-load coupling treatment. Polymer Degradation and Stability, 2018, 155, 230-237.	5.8	11
70	Microstructure Evolution and the Resulted Influence on Localized Corrosion in Al-Zn-Mg-Cu Alloy during Non-Isothermal Ageing. Materials, 2018, 11, 720.	2.9	17
71	Encapsulating MnO nanoparticles within foam-like carbon nanosheet matrix for fast and durable lithium storage. Nano Energy, 2018, 50, 675-684.	16.0	95
72	NiSe₂ pyramids deposited on N-doped graphene encapsulated Ni foam for high-performance water oxidation. Journal of Materials Chemistry A, 2017, 5, 3981-3986.	10.3	67

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73	Design, Fabrication and Characterization of Pressure-Responsive Films Based on The Orientation Dependence of Plasmonic Properties of Ag@Au Nanoplates. Scientific Reports, 2017, 7, 1676.	3.3	3
74	Vertical aligned V2O5 nanoneedle arrays grown on Ti substrate as binder-free cathode for lithium-ion batteries. Ionics, 2017, 23, 2961-2967.	2.4	4
75	Chemical Vapor Deposition Growth of Degenerate p-Type Mo-Doped ReS₂ Films and Their Homojunction. ACS Applied Materials & Interfaces, 2017, 9, 15583-15591.	8.0	30
76	van der Waals epitaxy of large-area continuous ReS₂ films on mica substrate. RSC Advances, 2017, 7, 24188-24194.	3.6	29
77	Co₇Fe₃ and Co₇Fe₃@SiO₂ Nanospheres with Tunable Diameters for High-Performance Electromagnetic Wave Absorption. ACS Applied Materials & Interfaces, 2017, 9, 21933-21941.	8.0	109
78	Synthesis of Zn(II)-Doped Magnetite Leaf-Like Nanorings for Efficient Electromagnetic Wave Absorption. Scientific Reports, 2017, 7, 45480.	3.3	8
79	Accelerated precipitation and growth of phases in an Al-Zn-Mg-Cu alloy processed by surface abrasion. Acta Materialia, 2017, 131, 233-245.	7.9	71
80	Sulfurizing-Induced Hollowing of Co₉S₈ Microplates with Nanosheet Units for Highly Efficient Water Oxidation. ACS Applied Materials & Interfaces, 2017, 9, 11634-11641.	8.0	129
81	Phase Transition Induced Synthesis of Layered/Spinel Heterostructure with Enhanced Electrochemical Properties. Advanced Functional Materials, 2017, 27, 1604349.	14.9	80
82	In Situ Growth of Snâ€Doped Ni₃S₂ Nanosheets on Ni Foam as Highâ€Performance Electrocatalyst for Hydrogen Evolution Reaction. ChemElectroChem, 2017, 4, 594-600.	3.4	64
83	Ca(II) doped Î²-In2S3 hierarchical structures for photocatalytic hydrogen generation and organic dye degradation under visible light irradiation. Journal of Colloid and Interface Science, 2017, 491, 230-237.	9.4	49
84	Photoresponse Enhancement in Monolayer ReS₂ Phototransistor Decorated with CdSeâ€“CdSâ€“ZnS Quantum Dots. ACS Applied Materials & Interfaces, 2017, 9, 39456-39463.	8.0	31
85	Understanding the phase transitions in spinel-layered-rock salt system: Criterion for the rational design of LLO/spinel nanocomposites. Nano Energy, 2017, 40, 566-575.	16.0	58
86	Hierarchical Mn₃O₄ Microplates Composed of Stacking Porous Nanosheets for Highâ€Performance Lithium Storage. ChemElectroChem, 2017, 4, 2703-2708.	3.4	8
87	Enhanced photocatalytic activity and photoelectrochemical performance of InOOH nanosheets prepared via a facile solvothermal route. Journal of Materials Science: Materials in Electronics, 2017, 28, 1869-1876.	2.2	3
88	Structural transformations in Li₂MnSiO₄: evidence that a Li intercalation material can reversibly cycle through a disordered phase. Journal of Materials Chemistry A, 2017, 5, 16722-16731.	10.3	22
89	9 Percolation in disordered conductor/insulator composites. , 2017, , 440-467.		2
90	Effect of Annealing Temperatures and Time on Structural Evolution and Dielectric Properties of PVDF Films. Polymers and Polymer Composites, 2016, 24, 167-172.	1.9	9

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91	Electric Field Tunable Interlayer Relaxation Process and Interlayer Coupling in WSe₂/Graphene Heterostructures. Advanced Functional Materials, 2016, 26, 4319-4328.	14.9	47
92	Tuning the Excitonic States in MoS₂/Graphene van der Waals Heterostructures via Electrochemical Gating. Advanced Functional Materials, 2016, 26, 293-302.	14.9	56
93	Elastic properties of suspended black phosphorus nanosheets. Applied Physics Letters, 2016, 108, .	3.3	65
94	Chelate-induced formation of Li₂MnSiO₄ nanorods as a high capacity cathode material for Li-ion batteries. Journal of Materials Chemistry A, 2016, 4, 9447-9454.	10.3	32
95	Thermal conductivity determination of conductor/insulator composites by fractal: Geometrical tortuosity and percolation. Composites Part B: Engineering, 2016, 92, 377-383.	12.0	10
96	Carbon-Coated Nickel Phosphide Nanosheets as Efficient Dual-Electrocatalyst for Overall Water Splitting. ACS Applied Materials & Interfaces, 2016, 8, 27850-27858.	8.0	113
97	Electrochemical behavior and structural stability of LiV3O8 microrods as cathode for lithium-ion batteries. Ceramics International, 2016, 42, 18747-18755.	4.8	9
98	Self-standing flexible cathode of V2O5 nanobelts with high cycling stability for lithium-ion batteries. Ceramics International, 2016, 42, 14595-14600.	4.8	17
99	Dopamine-Induced Formation of Ultrasmall Few-Layer MoS₂ Homogeneously Embedded in N-Doped Carbon Framework for Enhanced Lithium-Ion Storage. ACS Applied Materials & Interfaces, 2016, 8, 33741-33748.	8.0	49
100	Ternary Metal Phosphide with Tripleâ€Layered Structure as a Lowâ€Cost and Efficient Electrocatalyst for Bifunctional Water Splitting. Advanced Functional Materials, 2016, 26, 7644-7651.	14.9	389
101	Thickness-controllable coating of SiO2 on Co microspheres with tunable electromagnetic properties and enhanced oxidation resistance. RSC Advances, 2016, 6, 107653-107658.	3.6	11
102	In situ soft-chemistry synthesis of Î²-Na_{0.33}V₂O₅ nanorods as high-performance cathode for lithium-ion batteries. RSC Advances, 2016, 6, 105833-105839.	3.6	9
103	Solution-phase synthesis of Î³-In₂Se₃ nanoparticles for highly efficient photocatalytic hydrogen generation under simulated sunlight irradiation. RSC Advances, 2016, 6, 106671-106675.	3.6	25
104	Solvothermal Synthesis of <scp>InOOH</scp> Nanospheres with Enhanced Photocatalytic Activity. Bulletin of the Korean Chemical Society, 2016, 37, 522-528.	1.9	9
105	Electromagnetic properties of Co flaky particles prepared via ball-milling method. Journal of Magnetism and Magnetic Materials, 2016, 416, 53-60.	2.3	14
106	Glucose-Derived Carbonaceous Nanospheres for Photoacoustic Imaging and Photothermal Therapy. ACS Applied Materials & Interfaces, 2016, 8, 15904-15910.	8.0	67
107	Non-isothermal ageing of an Alâ€“8Znâ€“2Mgâ€“2Cu alloy for enhanced properties. Journal of Materials Processing Technology, 2016, 227, 110-116.	6.3	49
108	Numerical Simulation of Residual Stress in an Al-Cu Alloy Block During Quenching and Aging. Journal of Materials Engineering and Performance, 2015, 24, 4928-4940.	2.5	12

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109	Ternary SnS2â€“xSex Alloys Nanosheets and Nanosheet Assemblies with Tunable Chemical Compositions and Band Gaps for Photodetector Applications. Scientific Reports, 2015, 5, 17109.	3.3	54
110	Internal Biasing in Relaxor Ferroelectric Polymer to Enhance the Electrocaloric Effect. Advanced Functional Materials, 2015, 25, 5134-5139.	14.9	64
111	Effect of Cu Content and Aging Conditions on Pitting Corrosion Damage of 7xxx Series Aluminum Alloys. Journal of the Electrochemical Society, 2015, 162, C150-C160.	2.9	55
112	Dielectric and electrocaloric responses of Ba(Zr_{0.2}Ti_{0.8})O₃ bulk ceramics and thick films with sintering aids. IEEE Transactions on Dielectrics and Electrical Insulation, 2015, 22, 1501-1505.	2.9	15
113	Self-organized sheaf-like Fe₃O₄/C hierarchical microrods with superior lithium storage properties. Nanoscale, 2015, 7, 4411-4414.	5.6	53
114	A pressure sensor based on the orientational dependence of plasmonic properties of gold nanorods. Nanoscale, 2015, 7, 14483-14488.	5.6	41
115	Intrinsically Mn²⁺-Chelated Polydopamine Nanoparticles for Simultaneous Magnetic Resonance Imaging and Photothermal Ablation of Cancer Cells. ACS Applied Materials & Interfaces, 2015, 7, 16946-16952.	8.0	153
116	Low temperature electrochemical performance of Î²-Li V2O5 cathode for lithium-ion batteries. Electrochimica Acta, 2015, 169, 440-446.	5.2	35
117	Minimization of Residual Stress in an Al-Cu Alloy Forged Plate by Different Heat Treatments. Journal of Materials Engineering and Performance, 2015, 24, 2256-2265.	2.5	29
118	Formation of Uniform Fe₃O₄ Hollow Spheres Organized by Ultrathin Nanosheets and Their Excellent Lithium Storage Properties. Advanced Materials, 2015, 27, 4097-4101.	21.0	396
119	Microwave absorption properties of FeSi flaky particles prepared via a ball-milling process. Journal of Magnetism and Magnetic Materials, 2015, 395, 152-158.	2.3	41
120	Effect of Surface Roughness on Breakdown Behavior of Al-Zn-Mg-Cu Alloy. Journal of the Electrochemical Society, 2014, 161, C433-C440.	2.9	17
121	Effect of ageâ€forming on corrosion properties of an Alï£¿Znï£¿Mgï£¿Cu alloy. Materials and Corrosion - Werkstoffe Und Korrosion, 2014, 65, 670-677.	1.5	16
122	Giant electrocaloric effect in BaZr0.2Ti0.8O3 thick film. Applied Physics Letters, 2014, 105, .	3.3	84
123	Monodisperse SnS₂ Nanosheets for High-Performance Photocatalytic Hydrogen Generation. ACS Applied Materials & Interfaces, 2014, 6, 22370-22377.	8.0	216
124	Exploring Cu2O/Cu cermet as a partially inert anode to produce aluminum in a sustainable way. Journal of Alloys and Compounds, 2014, 610, 214-223.	5.5	11
125	Topochemical synthesis and magnetic properties of BaFe12O19 nanorods using Î±-FeOOH nanowires as templates. Ceramics International, 2014, 40, 8593-8597.	4.8	7
126	Colloidal synthesis and formation mechanism of calcium molybdate notched microspheres. CrystEngComm, 2014, 16, 2598.	2.6	9

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127	Hydrothermal synthesis, magnetic and electromagnetic properties of hexagonal Fe3O4 microplates. Journal of Magnetism and Magnetic Materials, 2014, 361, 161-165.	2.3	18
128	Ageing behavior and stress corrosion cracking resistance of a non-isothermally aged Alâ€“Znâ€“Mgâ€“Cu alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 605, 167-175.	5.6	97
129	Mechanical properties of cermet composites with various geometrical tortuosity of metal phase: Fractal characterization. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 607, 236-244.	5.6	7
130	Electrochemical Lithium Insertion Behavior of<i>Î²</i>-Li<i>_x</i>V₂O₅(0 <<i>x</i>â‰¤ 3) as the Cathode Material for Secondary Lithium Batteries. Journal of the Electrochemical Society, 2014, 161, A75-A83.	2.9	16
131	Stress relaxation behavior of an Alâ€“Znâ€“Mgâ€“Cu alloy in simulated age-forming process. Journal of Materials Processing Technology, 2014, 214, 775-783.	6.3	59
132	Effect of electron irradiation on electroactive phase and dielectric properties of PVDF films. RSC Advances, 2014, 4, 13525-13532.	3.6	13
133	Self-supported construction of 3D CdMoO₄ hierarchical structures from nanoplates with enhanced photocatalytic properties. RSC Advances, 2014, 4, 38527-38534.	3.6	7
134	Solvothermal synthesis of orthorhombic Sb₂WO₆ hierarchical structures and their visible-light-driven photocatalytic activity. Dalton Transactions, 2014, 43, 8439-8445.	3.3	27
135	Microstructure evolution in abrasion-induced surface layer on an Alâ€“Znâ€“Mgâ€“Cu alloy. Materials Characterization, 2014, 98, 18-25.	4.4	21
136	Synthesis of self-stacked CuFe₂O₄â€“Fe₂O₃porous nanosheets as a high performance Li-ion battery anode. Journal of Materials Chemistry A, 2014, 2, 19330-19337.	10.3	18
137	Hyperfine structure variations in an Feâ€“Crâ€“Co alloy exposed to electron irradiation: MÃ¶ssbauer spectroscopy characterization. Nuclear Instruments & Methods in Physics Research B, 2014, 338, 52-55.	1.4	4
138	Aqueous solution synthesis and photoluminescence properties of two-dimensional dendritic PbWO4 nanostructures. Materials Research Bulletin, 2014, 56, 1-7.	5.2	5
139	Strong dual-frequency electromagnetic absorption in Ku-band of C@FeNi3 core/shell structured microchains with negative permeability. Journal of Magnetism and Magnetic Materials, 2014, 349, 159-164.	2.3	46
140	Synthesis of Bi2WO6 hierarchical structures constructed by porous nanoplates and their associated photocatalytic properties under visible light irradiation. Ceramics International, 2014, 40, 11689-11698.	4.8	34
141	Electromagnetic properties of flake-shaped Feâ€“Si alloy particles prepared by ball milling. Journal of Magnetism and Magnetic Materials, 2014, 368, 295-299.	2.3	25
142	Sodium chloride induced formation of square-shaped cadmium molybdate nanoplates. Materials Letters, 2014, 131, 292-294.	2.6	7
143	Photodiode-Like Behavior and Excellent Photoresponse of Vertical Si/Monolayer MoS2 Heterostructures. Scientific Reports, 2014, 4, 7186.	3.3	141
144	Solvothermal Synthesis of Bi2O2CO3Nanoplates for Efficient Photodegradation of RhB and Phenol under Simulated Solar Light Irradiation. Bulletin of the Korean Chemical Society, 2014, 35, 2935-2940.	1.9	10

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145	Carrier Control of MoS₂ Nanoflakes by Functional Self-Assembled Monolayers. ACS Nano, 2013, 7, 7795-7804.	14.6	208
146	Tetradecylphosphonic acid modified BaTiO3 nanoparticles and its nanocomposite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 427, 19-25.	4.7	42
147	Work function modulation of bilayer MoS2 nanoflake by backgate electric field effect. Applied Physics Letters, 2013, 103, .	3.3	34
148	Hydrothermal synthesis of well-dispersed LiMnPO4 plates for lithium ion batteries cathode. Electrochimica Acta, 2013, 87, 303-308.	5.2	60
149	Experimental study on modulated structure in Alnico alloys under high magnetic field and comparison with phase-field simulation. Journal of Magnetism and Magnetic Materials, 2013, 348, 27-32.	2.3	20
150	Formation of CdMoO4 porous hollow nanospheres via a self-assembly accompanied with Ostwald ripening process and their photocatalytic performance. CrystEngComm, 2013, 15, 8014.	2.6	39
151	Effect of electroactive phase transformation on electron structure and dielectric properties of uniaxial stretching poly(vinylidene fluoride) films. RSC Advances, 2013, 3, 23730.	3.6	76
152	Crystallization kinetics and phase transformation of poly(vinylidene fluoride) films incorporated with functionalized baTiO₃ nanoparticles. Journal of Applied Polymer Science, 2013, 129, 2940-2949.	2.6	92
153	Development of La0.6Sr0.4Co0.2Fe0.8O3â^'Î´ cathode with an improved stability via La0.8Sr0.2MnO3-film impregnation. International Journal of Hydrogen Energy, 2013, 38, 5375-5382.	7.1	39
154	Formation of tubular BaTiO3 nanoparticle assembly through the Kirkendall effect using Na2Ti3O7 nanowires as template. Materials Research Bulletin, 2013, 48, 4565-4569.	5.2	2
155	THE NEGATIVE EFFECT OF NON-NBT PHASE ON THE FERROELECTRIC PROPERTIES OF SR-DOPED NBT THIN FILM AND THE SOLUTIONS. Surface Review and Letters, 2013, 20, 1350012.	1.1	3
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