Bin Chen

List of Publications by Year
in descending order

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141 papers	5,376 citations	117453 34 h-index	91712 69 g-index
141 all docs	141 docs citations	141 times ranked	5328 citing authors

#	Article	IF	Citations
1	Study of the Co-pyrolysis characteristics of oil shale with wheat straw based on the hierarchical collection. Energy, 2022, 239, 122144.	4.5	9
2	A study on Sc- and Zr-modified Alâ€“Mg alloys processed by selective laser melting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 833, 142516.	2.6	13
3	Alignment and strengthening effect of Î²^{â€²} precipitates in Mg-Gd-Y-Zr during ageing process studied by HAADF-STEM and GPA. Philosophical Magazine Letters, 2022, 102, 71-80.	0.5	2
4	Efficient electrocatalytic reduction of nitrate to nitrogen gas by a cubic Cu₂O film with predominant (111) orientation. Chemical Communications, 2022, 58, 3613-3616.	2.2	11
5	Enhanced Gas Sensing Performance of rGO Wrapped Crystal Facet-Controlled Co₃O₄ Nanocomposite Heterostructures. Journal of Physical Chemistry C, 2022, 126, 4879-4888.	1.5	9
6	In-Situ Monitoring the SERS Spectra of para-Aminothiophenol Adsorbed on Plasmon-Tunable Au@Ag Coreâ€“Shell Nanostars. Nanomaterials, 2022, 12, 1156.	1.9	7
7	Mechanical Properties and Microstructure Evolution of Mg-Gd Alloy during Aging Treatment. Metals, 2022, 12, 39.	1.0	4
8	Flexible MXene films for batteries and beyond. , 2022, 4, 598-620.		42
9	Characterization and energy calculation of the S/Al interface of Alâ€“Cuâ€“Mg alloys: Experimental and first-principles calculations. Vacuum, 2022, 202, 111131.	1.6	17
10	Na_yWO_{3â€“x} Nanosheet Array via In Situ Na Intercalation for Surface-Enhanced Raman Scattering Detection of Methylene Blue. ACS Applied Nano Materials, 2022, 5, 7841-7849.	2.4	8
11	Coarsening mechanism of T1 precipitation and calculation of T1/Al interface properties in 2198 Alâ€“Cuâ€“Li alloys: Experimental and DFT studies. Vacuum, 2022, 204, 111333.	1.6	6
12	The interface between long-period stacking-ordered (LPSO) structure and Î²' phase in Mg-Gd-Al alloys. Journal of Alloys and Compounds, 2022, 923, 166267.	2.8	6
13	Comparisons of Age Hardening and Precipitation Behavior in 7075 Alloy Under Single and Double-Stage Aging Treatments. Metals and Materials International, 2021, 27, 4204-4215.	1.8	18
14	Inâ€Situ Electrochemically Activated Surface Vanadium Valence in V₂C MXene to Achieve High Capacity and Superior Rate Performance for Znâ€Ion Batteries. Advanced Functional Materials, 2021, 31, 2008033.	7.8	156
15	Template-assisted fabrication of Ag-nanoparticles@ZnO-nanorods array as recyclable 3D surface enhanced Raman scattering substrate for rapid detection of trace pesticides. Nanotechnology, 2021, 32, 145302.	1.3	19
16	Polycrystalline and Singleâ€Crystalline Edge Layer of Mgâ€“Gdâ€“TM (TM=Ni, Ag) Alloys Prepared by Ion Thinner. Advanced Engineering Materials, 2021, 23, 2001222.	1.6	0
17	Evolution of microstructure and strain field by precipitation during early ageing of Alâ€“Siâ€“Mgâ€“Cu alloy. Philosophical Magazine Letters, 2021, 101, 143-153.	0.5	1
18	Copper-assisted growth of high-purity carbon nanofiber networks with controllably tunable wettabilities. Journal of Materials Chemistry A, 2021, 9, 22039-22047.	5.2	6

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19	The microstructure and property of lamellar interface in ternary Mgâ€“Gdâ€“Cu alloys: a combined experimental and first-principles study. Journal of Materials Science, 2021, 56, 9470-9483.	1.7	3
20	Sulfonic-Group-Grafted Ti₃C₂T_x MXene: A Silver Bullet to Settle the Instability of Polyaniline toward High-Performance Zn-Ion Batteries. ACS Nano, 2021, 15, 9065-9075.	7.3	78
21	Nanoarray heterojunction and its efficient solar cells without negative impact of photogenerated electric field. Communications Physics, 2021, 4, .	2.0	11
22	Effect of double aging on mechanical properties and microstructure of EV31A alloy. Transactions of Nonferrous Metals Society of China, 2021, 31, 2606-2614.	1.7	8
23	Simulation analysis of Co-Pyrolysis of oil shale and wheat straw based on the combination of chain reaction kinetics and improved CPD models. Energy Conversion and Management, 2021, 243, 114405.	4.4	17
24	MOF-derived NiCoZnP nanoclusters anchored on hierarchical N-doped carbon nanosheets array as bifunctional electrocatalysts for overall water splitting. Chemical Engineering Journal, 2021, 422, 130533.	6.6	79
25	Atomic-scale observation on the precipitates in various aging stages of Mgâ€“Gdâ€“Yâ€“Cu alloy. Journal of Alloys and Compounds, 2021, 887, 161423.	2.8	7
26	Obtaining Î³â€³ phase by addition of Mn in Mg-Gd-Y-Zn-Ni-Mn alloy: atomic-scale insights by scanning transmission electron microscopy. Philosophical Magazine Letters, 2021, 101, 107-114.	0.5	2
27	Highly Mesoporous Cobalt-Hybridized 2D Cu₃P Nanosheet Arrays as Boosting Janus Electrocatalysts for Water Splitting. Inorganic Chemistry, 2021, 60, 18325-18336.	1.9	8
28	The growth of Î² phase in Mg-Gd-Y-Ni alloy by experimental and first-principles study. Journal of Magnesium and Alloys, 2021, , .	5.5	4
29	Orientations and interfaces between Î±â€²-Al13Cr4Si4 and the matrix in Al-Si-Cr-Mg alloy. Materials Characterization, 2020, 160, 110096.	1.9	4
30	Thermodynamic re-assessment of the Mgâ€“Gd binary system coupling the microstructure evolution during ageing process. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2020, 68, 101712.	0.7	12
31	Recipe for ultrafast and persistent phase-change memory materials. NPG Asia Materials, 2020, 12, .	3.8	29
32	Atomic-scale insights on the plate-shaped Î³â€³ phase in Mgâ€“Gdâ€“Yâ€“Agâ€“Zr alloy. Journal of Materials Research, 2020, 35, 1837-1845.	1.2	2
33	Ag-Nanoparticles@Bacterial Nanocellulose as a 3D Flexible and Robust Surface-Enhanced Raman Scattering Substrate. ACS Applied Materials & Interfaces, 2020, 12, 50713-50720.	4.0	64
34	Effects of nanoprecipitates and LPSO structure on deformation and fracture behaviour of high-strength Mg-Gd-Y-Zn-Mn alloys. Materials Characterization, 2020, 165, 110396.	1.9	36
35	In-situ observation of microcrack evolution in a dual-phase steel during tensile straining. Materials Science and Technology, 2020, 36, 674-680.	0.8	1
36	Study on the precipitates in various aging stages and composite strengthening effect of precipitates and long-period stacking ordered structure of Mgâ€“Gdâ€“Yâ€“Ni alloy. Journal of Materials Research, 2020, 35, 172-184.	1.2	4

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37	On the S-phase precipitates in 2024 aluminum alloy: An atomic-scale investigation using high-angle annular dark-field scanning transmission electron microscopy. Journal of Materials Research, 2020, 35, 1582-1589.	1.2	13
38	Achievement of highâ€purity carbon nanofibres via peeling process. Micro and Nano Letters, 2020, 15, 1038-1040.	0.6	0
39	A biomimetic nanoleaf electrocatalyst for robust oxygen evolution reaction. Applied Catalysis B: Environmental, 2019, 259, 118017.	10.8	46
40	Kinetics Features Conducive to Cache-Type Nonvolatile Phase-Change Memory. Chemistry of Materials, 2019, 31, 8794-8800.	3.2	35
41	Precipitation of T₁ phase in 2198 Alâ€“Li alloy studied by atomic-resolution HAADF-STEM. Journal of Materials Research, 2019, 34, 3535-3544.	1.2	18
42	Unexpected capture of Guinier-Preston zone and Î³â€³ phase in as-cast Mg-Gd-Y-Zn-Ni-Mn alloy: Atomic-scale insights. Materials Characterization, 2019, 153, 103-107.	1.9	8
43	Atomic-scale observation of Î²â€² and LPSO phase in Mgâ€“Yâ€“Ni alloy by HAADF-STEM. Journal of Materials Research, 2019, 34, 3545-3553.	1.2	8
44	Tuning Localized Surface Plasmon Resonance of Nanoporous Gold with a Silica Shell for Surface Enhanced Raman Scattering. Nanomaterials, 2019, 9, 251.	1.9	14
45	Atomic-scale characterization of interfaces between 2A70 aluminum alloy matrix and Cu-enriched layer after electropolishing. Materials Characterization, 2019, 150, 150-154.	1.9	8
46	Atomic Scale Investigation on Precipitates and Defects of Mgâ€“RE Alloys: A Review. Advanced Engineering Materials, 2019, 21, 1800734.	1.6	16
47	Deformation mechanism and dynamic precipitation in a Mg-7Al-2Sn alloy processed by surface mechanical attrition treatment. Journal of Materials Science and Technology, 2019, 35, 1473-1478.	5.6	11
48	On the strengthening precipitate structures in Mg-Gd-Ag alloy: An atomic-resolution investigation using Cs-corrected STEM. Materials Letters, 2019, 238, 66-69.	1.3	11
49	Experimental and DFT characterization of Î·â€² nano-phase and its interfaces in Al Zn Mg Cu alloys. Acta Materialia, 2019, 164, 207-219.	3.8	113
50	Cluster on interface of LPSO phase and matrix in Mg-Gd-Y-Ni alloy: Atomic scale insight from HAADF-STEM. Materials Letters, 2019, 235, 71-75.	1.3	6
51	Corrosion behavior of 2198 Alâ€“Cuâ€“Li alloy in different aging stages in 3.5 wt% NaCl aqueous solution. Journal of Materials Research, 2018, 33, 1011-1022.	1.2	19
52	Fluorineâ€Free Synthesis of Highâ€Purity Ti₃C₂T_x (T=OH, O) via Alkali Treatment. Angewandte Chemie, 2018, 130, 6223-6227.	1.6	459
53	Fluorineâ€Free Synthesis of Highâ€Purity Ti₃C₂T_x (T=OH, O) via Alkali Treatment. Angewandte Chemie - International Edition, 2018, 57, 6115-6119.	7.2	809
54	Unveiling the Interfaces between Î²â€² Precipitates in Mgâ€“Gdâ€“Yâ€“Zr Alloy: Insights from Atomicâ€Scale HAADFâ€STEM. Advanced Engineering Materials, 2018, 20, 1700730.	1.6	2

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55	Effects of Ca concentration on degradation behavior of Zn-x Ca alloys in Hankâ€™s solution. Materials Letters, 2018, 218, 193-196.	1.3	45
56	Degradation of precipitation hardening in 7075 alloy subject to thermal exposure: A Cs-corrected STEM study. Journal of Alloys and Compounds, 2018, 741, 656-660.	2.8	21
57	Influence of interactions between Î²â€² precipitates and long period stacking ordered structures on corrosion behaviors of Mgâ€“10Gdâ€“5Yâ€“2Znâ€“0.5Zr (wt%) alloy. Journal of Materials Research, 2018, 33, 745-757.	1.2	6
58	Patterning Graphene Surfaces with Ironâ€Oxideâ€Embedded Mesoporous Polypyrrole and Derived Nâ€Doped Carbon of Tunable Pore Size. Small, 2018, 14, 1702755.	5.2	73
59	Nano-scale precipitation and phase growth in Mg-Gd binary alloy: An atomic-scale investigation using HAADF-STEM. Materials and Design, 2018, 137, 316-324.	3.3	56
60	Quantum Dots of 1T Phase Transitional Metal Dichalcogenides Generated via Electrochemical Li Intercalation. ACS Nano, 2018, 12, 308-316.	7.3	110
61	Ostwald Ripening Driven Exfoliation to Ultrathin Layered Double Hydroxides Nanosheets for Enhanced Oxygen Evolution Reaction. ACS Applied Materials & Interfaces, 2018, 10, 44518-44526.	4.0	53
62	Synthesis, structure and nonlinear optical properties of solution-processed Bi₂TeO₅ nanocrystals. Journal of Materials Chemistry C, 2018, 6, 10435-10440.	2.7	10
63	Low and room temperatures tensile properties of a nanoprecipitate-strengthened (FeCoCr)40Ni40Al10Cu10 high-entropy alloy. Materials Characterization, 2018, 145, 177-184.	1.9	9
64	Effect of aging on the corrosion behavior of 6005 Al alloys in 3.5 wt% NaCl aqueous solution. Journal of Materials Research, 2018, 33, 1830-1838.	1.2	7
65	Atomic-scale investigation into precipitated phase thickening in Al-Si-Mg-Cu alloy. Journal of Alloys and Compounds, 2018, 766, 973-978.	2.8	10
66	Hierarchical Nanoporous Copper Fabricated by Oneâ€Step Dealloying Toward Ultrasensitive Surfaceâ€Enhanced Raman Sensing. Advanced Materials Interfaces, 2018, 5, 1800332.	1.9	22
67	An antenna/spacer/reflector based Au/BiVO4/WO3/Au nanopatterned photoanode for plasmon-enhanced photoelectrochemical water splitting. Applied Catalysis B: Environmental, 2018, 237, 763-771.	10.8	70
68	Ordered stacking faults within nanosized silicon precipitates in aluminum alloy. Materials Letters, 2017, 190, 225-228.	1.3	4
69	Precipitation in an Al-Zn-Mg-Cu alloy during isothermal aging: Atomic-scale HAADF-STEM investigation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 691, 60-70.	2.6	112
70	Deformation stimulated precipitation of a single-phase CoCrFeMnNi high entropy alloy. Intermetallics, 2017, 85, 90-97.	1.8	82
71	Characterization of Gd-rich precipitates in a fully lamellar TiAl alloy. Scripta Materialia, 2017, 137, 50-54.	2.6	14
72	Studies of the Co-pyrolysis of Oil Shale and Wheat Straw. Energy & Fuels, 2017, 31, 6941-6950.	2.5	24

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73	Segregation of solute atoms in Mgâ€“Ce binary alloy: atomic-scale novel structures observed by HAADF-STEM. Philosophical Magazine, 2017, 97, 1498-1508.	0.7	14
74	Silver nanoparticles decorated nanoporous gold for surface-enhanced Raman scattering. Nanotechnology, 2017, 28, 055301.	1.3	15
75	Mechanical Properties and Deformation Mechanisms of Mg-Gd-Y-Zr Alloy at Cryogenic and Elevated Temperatures. Journal of Materials Engineering and Performance, 2017, 26, 590-600.	1.2	6
76	Nucleation interface of Al-Sb alloys on single crystal Al 2 O 3 substrate. Transactions of Nonferrous Metals Society of China, 2017, 27, 2104-2111.	1.7	0
77	Study of age hardening in a Mgâ€“2.2 wt%Nd alloy by in situ synchrotron X-ray diffraction and mechanical tests. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 708, 319-328.	2.6	21
78	Microstructural characterization of boron-rich boron carbide. Acta Materialia, 2017, 136, 202-214.	3.8	91
79	Surface-enhanced Raman scattering from plasmonic Ag-nanocube@Au-nanospheres core@satellites. Journal of Raman Spectroscopy, 2017, 48, 217-223.	1.2	7
80	Precipitation in Mgâ€“Ndâ€“Yâ€“Zrâ€“Ca Alloy during Isothermal Aging: A Comprehensive Atomicâ€Scaled Study by Means of HAADFâ€STEM. Advanced Engineering Materials, 2017, 19, 1600244.	1.6	7
81	Size and distance dependent fluorescence enhancement of nanoporous gold. Optics Express, 2017, 25, 9901.	1.7	12
82	Unexpected Feâ€enriched compounds observed in Mgâ€“Ce alloy: An atomicâ€scale STEM investigation. Scanning, 2016, 38, 783-791.	0.7	2
83	Nanoâ€Size Zirconiumâ€Enriched Cores in Mgâ€“Gdâ€“Yâ€“Zr: An Atomicâ€Scale HAADFâ€“STEM Study. Advanced Engineering Materials, 2016, 18, 1332-1336.	1.6	2
84	The Effect of Thermal Exposure on the Microstructures and Mechanical Properties of 2198 Alâ€“Li Alloy. Advanced Engineering Materials, 2016, 18, 1225-1233.	1.6	12
85	Improving the Electrocatalytic Activity of Pt Monolayer Catalysts for Electrooxidation of Methanol, Ethanol and Ammonia by Tailoring the Surface Morphology of the Supporting Core. ChemElectroChem, 2016, 3, 537-551.	1.7	32
86	Nano-Sized Cuboid-Shaped Phase in Mgâ€“Ndâ€“Y Alloy and its Behavior During Isothermal Aging. Microscopy and Microanalysis, 2016, 22, 1244-1250.	0.2	9
87	Precipitation in Mg-Sm binary alloy during isothermal ageing: atomic-scale insights from scanning transmission electron microscopy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 669, 304-311.	2.6	25
88	Precipitation in Mg-Gd-Y-Zr Alloy: Atomic-scale insights into structures and transformations. Materials Characterization, 2016, 117, 76-83.	1.9	61
89	Interactions between long-period stacking ordered phase and Î²â€² precipitate in Mgâ€“Gdâ€“Yâ€“Znâ€“Zr alloy: Atomic-scale insights from HAADF-STEM. Materials Letters, 2016, 176, 223-227.	1.3	32
90	Unravelling the Structure of Î³â€³ in Mg-Gd-Zn: An Atomic-scale HAADF-STEM Investigation. Materials Characterization, 2016, 120, 345-348.	1.9	26

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91	Study of the thermal conversions of organic carbon of Huadian oil shale during pyrolysis. Energy Conversion and Management, 2016, 127, 284-292.	4.4	39
92	Stress corrosion cracking behavior of cold-drawn 316 austenitic stainless steels in simulated PWR environment. Corrosion Science, 2016, 112, 576-584.	3.0	33
93	Changes of components and chemical structure of bitumen-derived liquids during retorting Indonesian oil sands. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 1867-1874.	1.2	4
94	AZ91 Magnesium Alloy/Porous Hydroxyapatite Composite for Potential Application in Bone Repair. Journal of Materials Science and Technology, 2016, 32, 858-864.	5.6	49
95	Components and potential utilization of oil sands semicoke. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 2447-2453.	1.2	2
96	Atomicâ€scale characterization of the equilibrium Î² phase in Mgâ€Ndâ€Y alloy by means of HAADFâ€STEM. Scanning, 2016, 38, 743-746.	0.7	6
97	Pt-Decorated highly porous flower-like Ni particles with high mass activity for ammonia electro-oxidation. Journal of Materials Chemistry A, 2016, 4, 11060-11068.	5.2	83
98	In Situ FTIR Analysis of the Evolution of Functional Groups of Oil Shale During Pyrolysis. Energy & Fuels, 2016, 30, 5611-5616.	2.5	39
99	Electro-deposited calcium phosphate compounds on graphene sheets: Blossoming flowers. Materials Letters, 2016, 179, 122-125.	1.3	2
100	Atomic imaging of the coherent interface between orientedly-attached Mn3O4 nanoparticles. Materials Characterization, 2016, 117, 144-148.	1.9	3
101	Segregation of rare earth atoms in Mg-Gd-Y-Zr alloy after a 6-year natural ageing at room temperature: Atomic-scale direct imaging. Materials Letters, 2016, 174, 86-90.	1.3	6
102	Facile template-free synthesis of vertically aligned polypyrrole nanosheets on nickel foams for flexible all-solid-state asymmetric supercapacitors. Nanoscale, 2016, 8, 8650-8657.	2.8	64
103	Large-scale growth of sharp gold nano-cones for single-molecule SERS detection. RSC Advances, 2016, 6, 2882-2887.	1.7	36
104	An Anion-Induced Hydrothermal Oriented-Explosive Strategy for the Synthesis of Porous Upconversion Nanocrystals. Theranostics, 2015, 5, 456-468.	4.6	13
105	Microstructural Investigation of Friction-Stir-Welded 7005 Aluminum Alloy. Journal of Materials Engineering and Performance, 2015, 24, 4297-4306.	1.2	10
106	Liquidâ€“solid transition in mesophase separated olefin multiblock copolymers during crystallization. RSC Advances, 2015, 5, 40607-40619.	1.7	8
107	Novel structures observed in Mgâ€“Gdâ€“Yâ€“Zr during isothermal ageing by atomic-scale HAADF-STEM. Materials Letters, 2015, 152, 287-289.	1.3	29
108	Microstructure evolution and mechanical properties of an Mgâ€“Gd alloy subjected to surface mechanical attrition treatment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 630, 146-154.	2.6	58

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109	Hydrothermal Targetedâ€Explosion Synthesis of Hollow/Porous Upconversion Nanoâ€•and Microcrystals with Potential for Luminescent Displays and Biological Imaging. ChemNanoMat, 2015, 1, 128-134.	1.5	6
110	Shape-controlled synthesis of Pt-Ir nanocubes with preferential (100) orientation and their unusual enhanced electrocatalytic activities. Science China Materials, 2014, 57, 13-25.	3.5	58
111	Surface nanocrystallization induced by shot peening and its effect on corrosion resistance of 6061 aluminum alloy. Journal of Materials Research, 2014, 29, 3002-3010.	1.2	24
112	Hot Deformation Behavior and Processing Maps of 2099 Al-Li Alloy. Journal of Materials Engineering and Performance, 2014, 23, 1929-1935.	1.2	18
113	Green Synthesis of Large-Scale Highly Ordered Core@Shell Nanoporous Au@Ag Nanorod Arrays as Sensitive and Reproducible 3D SERS Substrates. ACS Applied Materials & Interfaces, 2014, 6, 15667-15675.	4.0	120
114	Polyacrylic acid sodium salt film entrapped Ag-nanocubes as molecule traps for SERS detection. Nano Research, 2014, 7, 1177-1187.	5.8	29
115	Corrosion behavior of 2099 Alâ€“Li alloy in NaCl aqueous solution. Journal of Materials Research, 2014, 29, 1344-1353.	1.2	8
116	Microstructural evolution and mechanical properties of Mg95.5Y3Zn1.5 alloy processed by extrusion and ECAP. Metals and Materials International, 2014, 20, 285-290.	1.8	15
117	Recrystallization and microstructural evolution during hot extrusion of Mg97Y2Zn1 alloy. Metals and Materials International, 2014, 20, 489-497.	1.8	7
118	Ductility improvement by twinning and twinâ€“slip interaction in a Mg-Y alloy. Materials & Design, 2014, 56, 966-974.	5.1	84
119	Optimization of Hot Extrusion Process Parameters of Mg97Y2Zn1 Alloy Based on the Processing Maps. Journal of Materials Engineering and Performance, 2013, 22, 2528-2533.	1.2	2
120	Hot Compression Deformation Behavior and Processing Maps of Mg-Gd-Y-Zr Alloy. Journal of Materials Engineering and Performance, 2013, 22, 2458-2466.	1.2	25
121	The effect of morphology on the stability of retained austenite in a quenched and partitioned steel. Scripta Materialia, 2013, 68, 321-324.	2.6	533
122	Largeâ€area Ag nanorod array substrates for SERS: AAO templateâ€assisted fabrication, functionalization, and application in detection PCBs. Journal of Raman Spectroscopy, 2013, 44, 240-246.	1.2	119
123	Effect of Solid Solution Treatment on Microstructure and Mechanical Properties of Mg97Y2Zn1 Alloy. Journal of Materials Engineering and Performance, 2013, 22, 523-527.	1.2	11
124	Application of back-propagation neural network for controlling the front end bending phenomenon in plate rolling. International Journal of Materials and Product Technology, 2013, 46, 166.	0.1	4
125	Effect of zirconium addition on microstructure and mechanical properties of Mg97Y2Zn1 alloy. Transactions of Nonferrous Metals Society of China, 2012, 22, 773-778.	1.7	8
126	Mechanical properties of Mg-6Gd-1Y-0.5Zr alloy processed by low temperature thermo-mechanical treatment. Transactions of Nonferrous Metals Society of China, 2012, 22, 2351-2356.	1.7	4

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127	Effects of micro-arc oxidation coating on corrosion behavior of Mg-Y-Zn in simulated body fluid. Journal of Shanghai Jiaotong University (Science), 2012, 17, 668-672.	0.5	2
128	Microstructures evolution and phase transformation behaviors of Ni-rich TiNi shape memory alloys after equal channel angular extrusion. Journal of Alloys and Compounds, 2011, 509, 3006-3012.	2.8	25
129	Effects of equal channel angular extrusion and aging treatment on R phase transformation behaviors and Ti3Ni4 precipitates of Ni-rich TiNi alloys. Journal of Alloys and Compounds, 2011, 509, 6296-6301.	2.8	22
130	Characterization of microstructure in high strength Mg96Y3Zn1 alloy processed by extrusion and equal channel angular pressing. Journal of Rare Earths, 2011, 29, 902-906.	2.5	12
131	Effects of yttrium and zinc addition on the microstructure and mechanical properties of Mgâ€“Yâ€“Zn alloys. Journal of Materials Science, 2010, 45, 2510-2517.	1.7	52
132	Microstructure Evolution and the Influence of Hydrofluoric Acid Treatment on the Surfaces of Commercial Pure Ti after ECAE. Materials Science Forum, 2010, 667-669, 1195-1200.	0.3	0
133	Equal-channel angular pressing of magnesium alloy AZ91 and its effects on microstructure and mechanical properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 483-484, 113-116.	2.6	142
134	Elevated Temperature Mechanical Behavior of Mg-Y-Zn Alloys. Materials Science Forum, 2007, 546-549, 237-240.	0.3	7
135	Microstructure and mechanical properties of ultrafine grained Mg97Y2Zn1 alloy processed by equal channel angular pressing. Journal of Alloys and Compounds, 2007, 440, 94-100.	2.8	53
136	Microstructure evolution of AZ31 Mg alloy during equal channel angular extrusion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 423, 247-252.	2.6	97
137	Single Roll Drive Equal Channel Angular Process â€“a Potential Severe Plastic Deformation (SPD) Process for Industrial Application. Materials Science Forum, 2006, 503-504, 557-560.	0.3	3
138	Microstructure and Mechanical Properties of Mg₉₆Y₃Zn₁ Alloy Processed by Equal Channel Angular Pressing. Materials Science Forum, 0, 682, 49-54.	0.3	0
139	Dynamic Precipitation Behaviors and Mechanical Properties of Mg-12Gd-3Y-0.5Zr Alloy Processed by Secondary Extrusion. Materials Science Forum, 0, 747-748, 192-197.	0.3	0
140	Isochronal Aging Hardening of the Mg-8Gd-3Y-0.5Zr Alloy after Cold Rolling. Materials Science Forum, 0, 747-748, 333-339.	0.3	0
141	Biodegradable Behaviors in Simulated Body Fluid of Mg-Gd-Y-Zr Alloy with Micro-Arc Oxide Coating. Materials Science Forum, 0, 747-748, 295-300.	0.3	1