

Cheng Xu

List of Publications by Year in descending order

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327
papers

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329
docs citations

329
times ranked

8945
citing authors

#	ARTICLE	IF	CITATIONS
1	The evolution of homogeneity in processing by high-pressure torsion. <i>Acta Materialia</i> , 2007, 55, 203-212.	7.9	337
2	Hierarchical mushroom-like CoNi ₂ S ₄ arrays as a novel electrode material for supercapacitors. <i>Nano Energy</i> , 2014, 3, 36-45.	16.0	265
3	Influence of stacking-fault energy on microstructural characteristics of ultrafine-grain copper and copper-zinc alloys. <i>Acta Materialia</i> , 2008, 56, 809-820.	7.9	251
4	Polyaniline-Functionalized Carbon Nanotube Supported Platinum Catalysts. <i>Langmuir</i> , 2011, 27, 5582-5588.	3.5	233
5	The evolution of homogeneity and grain refinement during equal-channel angular pressing: A model for grain refinement in ECAP. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 398, 66-76.	5.6	232
6	WEEE flow and mitigating measures in China. <i>Waste Management</i> , 2008, 28, 1589-1597.	7.4	229
7	Using ECAP to achieve grain refinement, precipitate fragmentation and high strain rate superplasticity in a spray-cast aluminum alloy. <i>Acta Materialia</i> , 2003, 51, 6139-6149.	7.9	219
8	An overview: Fatigue behaviour of ultrafine-grained metals and alloys. <i>International Journal of Fatigue</i> , 2006, 28, 1001-1010.	5.7	188
9	The evolution of homogeneity in an aluminum alloy processed using high-pressure torsion. <i>Acta Materialia</i> , 2008, 56, 5168-5176.	7.9	167
10	Influence of ECAP on precipitate distributions in a spray-cast aluminum alloy. <i>Acta Materialia</i> , 2005, 53, 749-758.	7.9	162
11	Apatite in carbonatitic rocks: Compositional variation, zoning, element partitioning and petrogenetic significance. <i>Lithos</i> , 2017, 274-275, 188-213.	1.4	157
12	Adsorption of rare earth elements in regolith-hosted clay deposits. <i>Nature Communications</i> , 2020, 11, 4386.	12.8	146
13	Evaluation of carbon deposition behavior on the nickel/yttrium-stabilized zirconia anode-supported fuel cell fueled with simulated syngas. <i>Journal of Power Sources</i> , 2011, 196, 2461-2468.	7.8	144
14	Positron Emission Tomography-Guided Photodynamic Therapy with Biodegradable Mesoporous Silica Nanoparticles for Personalized Cancer Immunotherapy. <i>ACS Nano</i> , 2019, 13, 12148-12161.	14.6	138
15	Bacteria-like mesoporous silica-coated gold nanorods for positron emission tomography and photoacoustic imaging-guided chemo-photothermal combined therapy. <i>Biomaterials</i> , 2018, 165, 56-65.	11.4	134
16	Principles of ECAP Conform as a continuous process for achieving grain refinement: Application to an aluminum alloy. <i>Acta Materialia</i> , 2010, 58, 1379-1386.	7.9	132
17	Engineered Nanoparticles for Cancer Vaccination and Immunotherapy. <i>Accounts of Chemical Research</i> , 2020, 53, 2094-2105.	15.6	129
18	Targeting Chemophotothermal Therapy of Hepatoma by Gold Nanorods/Graphene Oxide Core/Shell Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 12911-12920.	8.0	123

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19	Superior electrochemical performance of ultrasmall SnS ₂ nanocrystals decorated on flexible RGO in lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8658.	10.3	110
20	CC-KF: Enhanced TOA Performance in Multipath and NLOS Indoor Extreme Environment. <i>IEEE Sensors Journal</i> , 2014, 14, 3766-3774.	4.7	107
21	Improving the superplastic properties of a two-phase Mg-8% Li alloy through processing by ECAP. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 410-411, 439-442.	5.6	100
22	Influence of a round corner die on flow homogeneity in ECA pressing. <i>Scripta Materialia</i> , 2003, 48, 1-4.	5.2	97
23	Trace-element modeling of the magmatic evolution of rare-earth-rich carbonatite from the Miaoya deposit, Central China. <i>Lithos</i> , 2010, 118, 145-155.	1.4	92
24	Encapsulating Gold Nanoparticles or Nanorods in Graphene Oxide Shells as a Novel Gene Vector. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 2715-2724.	8.0	89
25	Comparison of the Daluxiang and Maoniuping carbonatitic REE deposits with Bayan Obo REE deposit, China. <i>Lithos</i> , 2008, 106, 12-24.	1.4	83
26	Experimental study of REE, Ba, Sr, Mo and W partitioning between carbonatitic melt and aqueous fluid with implications for rare metal mineralization. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	3.1	83
27	The development of hardness homogeneity in pure aluminum and aluminum alloy disks processed by high-pressure torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 529, 345-351.	5.6	81
28	A two-step carbon fiber surface treatment and its effect on the interfacial properties of CF/EP composites: The electrochemical oxidation followed by grafting of silane coupling agent. <i>Applied Surface Science</i> , 2019, 486, 546-554.	6.1	79
29	Origin of carbonatites in the South Qinling orogen: Implications for crustal recycling and timing of collision between the South and North China Blocks. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 143, 189-206.	3.9	78
30	The development of hardness homogeneity in aluminum and an aluminum alloy processed by ECAP. <i>Journal of Materials Science</i> , 2007, 42, 1542-1550.	3.7	76
31	Evaluation of Energy Loss and Charge Sharing in Cadmium Telluride Detectors for Photon-Counting Computed Tomography. <i>IEEE Transactions on Nuclear Science</i> , 2011, 58, 614-625.	2.0	76
32	Cold deep subduction recorded by remnants of a Paleoproterozoic carbonated slab. <i>Nature Communications</i> , 2018, 9, 2790.	12.8	75
33	Effects of Metal Work Function and Contact Potential Difference on Electron Thermionic Emission in Contact Electrification. <i>Advanced Functional Materials</i> , 2019, 29, 1903142.	14.9	75
34	The role of back pressure in the processing of pure aluminum by equal-channel angular pressing. <i>Acta Materialia</i> , 2007, 55, 2351-2360.	7.9	73
35	Origin of heavy rare earth mineralization in South China. <i>Nature Communications</i> , 2017, 8, 14598.	12.8	72
36	Developing a strategy for the processing of age-hardenable alloys by ECAP at room temperature. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 516, 248-252.	5.6	71

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37	Efficient Lymph Node-Targeted Delivery of Personalized Cancer Vaccines with Reactive Oxygen Species-Inducing Reduced Graphene Oxide Nanosheets. <i>ACS Nano</i> , 2020, 14, 13268-13278.	14.6	69
38	Flat rare earth element patterns as an indicator of cumulate processes in the Lesser Qinling carbonatites, China. <i>Lithos</i> , 2007, 95, 267-278.	1.4	68
39	Microstructural Evolution in Pure Aluminum in the Early Stages of Processing by High-Pressure Torsion. <i>Materials Transactions</i> , 2010, 51, 2-7.	1.2	67
40	Comparison of fluorite geochemistry from REE deposits in the Panxi region and Bayan Obo, China. <i>Journal of Asian Earth Sciences</i> , 2012, 57, 76-89.	2.3	67
41	Severe plastic deformation as a processing tool for developing superplastic metals. <i>Journal of Alloys and Compounds</i> , 2004, 378, 27-34.	5.5	66
42	A unique Mo deposit associated with carbonatites in the Qinling orogenic belt, central China. <i>Lithos</i> , 2010, 118, 50-60.	1.4	66
43	Evaluating the influence of pressure and torsional strain on processing by high-pressure torsion. <i>Journal of Materials Science</i> , 2008, 43, 7286-7292.	3.7	65
44	Chelator-free Radiolabeling of Nanographene: Breaking the Stereotype of Chelation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2889-2892.	13.8	65
45	The evolution of homogeneity on longitudinal sections during processing by ECAP. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 480, 449-455.	5.6	64
46	Comparison of performance and degradation of large-scale solid oxide electrolysis cells in stack with different composite air electrodes. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 2460-2472.	7.1	63
47	A case example of the importance of multi-analytical approach in deciphering carbonatite petrogenesis in South Qinling orogen: Miaoya rare-metal deposit, central China. <i>Lithos</i> , 2015, 227, 107-121.	1.4	63
48	Structure and optical properties of Nb ₂ O ₅ sculptured thin films by glancing angle deposition. <i>Applied Surface Science</i> , 2008, 255, 2192-2195.	6.1	61
49	Microstructural evolution in an aluminum solid solution alloy processed by ECAP. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 6059-6065.	5.6	61
50	Re-assessing the enhanced permeability and retention effect in peripheral arterial disease using radiolabeled long circulating nanoparticles. <i>Biomaterials</i> , 2016, 100, 101-109.	11.4	61
51	The Overlapped Electron-Cloud Model for Electron Transfer in Contact Electrification. <i>Advanced Functional Materials</i> , 2020, 30, 1909724.	14.9	61
52	Mechanical characteristics of a Zn-22% Al alloy processed to very high strains by ECAP. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 429, 324-328.	5.6	60
53	Origin of unusual HREE-Mo-rich carbonatites in the Qinling orogen, China. <i>Scientific Reports</i> , 2016, 6, 37377.	3.3	60
54	Processing of a magnesium alloy by equal-channel angular pressing using a back-pressure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 527, 205-211.	5.6	58

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55	The origin of enriched mantle beneath North China block: Evidence from young carbonatites. <i>Lithos</i> , 2011, 127, 1-9.	1.4	58
56	Trace-element composition and zoning in clinopyroxene- and amphibole-group minerals: Implications for element partitioning and evolution of carbonatites. <i>Lithos</i> , 2012, 128-131, 27-45.	1.4	58
57	Long circulating reduced graphene oxide-iron oxide nanoparticles for efficient tumor targeting and multimodality imaging. <i>Nanoscale</i> , 2016, 8, 12683-12692.	5.6	58
58	Using X-ray microdiffraction to determine grain sizes at selected positions in disks processed by high-pressure torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 444, 153-156.	5.6	57
59	U-Pb zircon age, geochemical and isotopic characteristics of carbonatite and syenite complexes from the Shaxiongdong, China. <i>Lithos</i> , 2008, 105, 118-128.	1.4	57
60	Impact of steel spheres on ballistic gelatin at moderate velocities. <i>International Journal of Impact Engineering</i> , 2013, 62, 142-151.	5.0	57
61	Three-dimensional representations of hardness distributions after processing by high-pressure torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 503, 71-74.	5.6	56
62	U-Pb and Re-Os geochronology of the Bainaimiao Cu-Mo-Au deposit, on the northern margin of the North China Craton, Central Asia Orogenic Belt: Implications for ore genesis and geodynamic setting. <i>Ore Geology Reviews</i> , 2012, 48, 139-150.	2.7	56
63	Indium-tin-oxide thin film transistor biosensors for label-free detection of avian influenza virus H5N1. <i>Analytica Chimica Acta</i> , 2013, 773, 83-88.	5.4	55
64	Achieving high-efficiency hydrogen production using planar solid-oxide electrolysis stacks. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 10833-10842.	7.1	53
65	Microstructure and yield strength of severely deformed silver. <i>Scripta Materialia</i> , 2008, 58, 775-778.	5.2	51
66	Analysis of behind the armor ballistic trauma. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 45, 11-21.	3.1	51
67	Sequential Human Activity Recognition Based on Deep Convolutional Network and Extreme Learning Machine Using Wearable Sensors. <i>Journal of Sensors</i> , 2018, 2018, 1-10.	1.1	51
68	Synthesis of ZnO hollow spheres through a bacterial template method and their gas sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 99-103.	7.8	50
69	The significance of grain boundary sliding in the superplastic Zn-22% Al alloy after processing by ECAP. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 410-411, 447-450.	5.6	47
70	Intelligent monitoring and diagnosis for modern mechanical equipment based on the integration of embedded technology and FBGS technology. <i>Measurement: Journal of the International Measurement Confederation</i> , 2011, 44, 1499-1511.	5.0	45
71	Evaluation of a Second-Generation Ultra-Fast Energy-Resolved ASIC for Photon-Counting Spectral CT. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 437-445.	2.0	45
72	Microstructure and properties of a low-carbon steel processed by equal-channel angular pressing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 410-411, 312-315.	5.6	44

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73	Genesis of Si-rich carbonatites in Huanglongpu Mo deposit, Lesser Qinling orogen, China and significance for Mo mineralization. <i>Ore Geology Reviews</i> , 2015, 64, 756-765.	2.7	44
74	Evaluating plastic anisotropy in two aluminum alloys processed by equal-channel angular pressing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 497, 206-211.	5.6	43
75	Superplastic flow in a nanostructured aluminum alloy produced using high-pressure torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 500, 170-175.	5.6	43
76	Investigation of precursors in the preparation of nanostructured $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\delta}$ via a modified combined complexing method. <i>Journal of Alloys and Compounds</i> , 2009, 484, 263-267.	5.5	43
77	Preliminary evaluation of a silicon strip detector for photon-counting spectral CT. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 677, 45-51.	1.6	43
78	Carbonatites in China: A review for genesis and mineralization. <i>Geoscience Frontiers</i> , 2010, 1, 105-114.	8.4	42
79	Unraveling Temperature-Dependent Contact Electrification between Sliding-Mode Triboelectric Pairs. <i>Advanced Functional Materials</i> , 2020, 30, 1909384.	14.9	42
80	Interface inter-atomic electron-transition induced photon emission in contact-electrification. <i>Science Advances</i> , 2021, 7, eabj0349.	10.3	42
81	Geochemistry of carbonatites in Maoniuping REE deposit, Sichuan province, China. <i>Science in China Series D: Earth Sciences</i> , 2003, 46, 246-256.	0.9	41
82	Lower current operation of phase change memory cell with a thin TiO ₂ layer. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	41
83	The origin of secondary heavy rare earth element enrichment in carbonatites: Constraints from the evolution of the Huanglongpu district, China. <i>Lithos</i> , 2018, 308-309, 65-82.	1.4	41
84	An investigation of cavity growth in a superplastic aluminum alloy processed by ECAP. <i>Acta Materialia</i> , 2005, 53, 5353-5364.	7.9	40
85	Influence of grain size on the density of deformation twins in Cu-30%Zn alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 3942-3948.	5.6	39
86	Texture evolution by shear on two planes during ECAP of a high-strength aluminum alloy. <i>Acta Materialia</i> , 2008, 56, 3800-3809.	7.9	38
87	Accelerated durability tests of catalyst layers with various pore volume for catalyst coated membranes applied in PEM fuel cells. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 2872-2876.	7.1	38
88	Influence of Mg on the mechanical properties and degradation performance of as-extruded Zn Mg Ca alloys: In vitro and in vivo behavior. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 95, 220-231.	3.1	38
89	Achieving a Superplastic Forming Capability through Severe Plastic Deformation. <i>Advanced Engineering Materials</i> , 2003, 5, 359-364.	3.5	37
90	Effect of reduction temperature on the electrochemical properties of a Ni/YSZ anode-supported solid oxide fuel cell. <i>Journal of Alloys and Compounds</i> , 2010, 495, 138-143.	5.5	37

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91	Hydrogen sulfide poisoning in solid oxide fuel cells under accelerated testing conditions. <i>Journal of Power Sources</i> , 2010, 195, 7025-7032.	7.8	35
92	Developing Processing Routes for the Equal-Channel Angular Pressing of Age-Hardenable Aluminum Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010, 41, 802-809.	2.2	34
93	Microstructures and capacitance performance of MnO ₂ films fabricated by ultrasonic-assisted electrodeposition. <i>Applied Surface Science</i> , 2019, 478, 94-102.	6.1	34
94	Achieving superplastic behavior in fcc and hcp metals processed by equal-channel angular pressing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 493, 104-110.	5.6	33
95	Using Equal-Channel Angular Pressing for the Production of Superplastic Aluminum and Magnesium Alloys. <i>Journal of Materials Engineering and Performance</i> , 2004, 13, 683-690.	2.5	32
96	Effect of Simulated Coal-Derived Gas Composition on H ₂ S Poisoning Behavior Evaluated Using a Disaggregation Scheme. <i>Journal of the Electrochemical Society</i> , 2009, 156, B1383.	2.9	32
97	Chlorine contaminants poisoning of solid oxide fuel cells. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 1077-1085.	2.5	32
98	Influence of Pressing Temperature on Microstructure Evolution and Mechanical Behavior of Ultrafine-Grained Cu Processed by Equal-Channel Angular Pressing. <i>Advanced Engineering Materials</i> , 2012, 14, 185-194.	3.5	32
99	In Situ U-Th-Pb Dating and Sr-Nd Isotope Analysis of Bastn�site by LA-(MC)-ICP-MS. <i>Geostandards and Geoanalytical Research</i> , 2019, 43, 543-565.	3.1	32
100	Evaluation of as-extruded ternary Zn-Mg-Zr alloys for biomedical implantation material: <i>in vitro</i> and <i>in vivo</i> behavior. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019, 70, 1056-1070.	1.5	32
101	Estimation of Knee Movement from Surface EMG Using Random Forest with Principal Component Analysis. <i>Electronics (Switzerland)</i> , 2020, 9, 43.	3.1	32
102	Texture evolution in an aluminum alloy processed by ECAP with concurrent precipitate fragmentation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 473, 219-225.	5.6	31
103	Porous mullite thermal insulators from coal gangue fabricated by a starch-based foam gel-casting method. <i>Journal of the Australian Ceramic Society</i> , 2017, 53, 287-291.	1.9	31
104	Rifle bullet penetration into ballistic gelatin. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 67, 40-50.	3.1	31
105	Toward Near-Ground Localization: Modeling and Applications for TOA Ranging Error. <i>IEEE Transactions on Antennas and Propagation</i> , 2017, 65, 5658-5662.	5.1	31
106	Developing superplasticity in a spray-cast aluminum 7034 alloy through equal-channel angular pressing. <i>Materials Letters</i> , 2003, 57, 3588-3592.	2.6	30
107	A quantitative study of cavity development in the tensile testing of an aluminum metal matrix composite processed by equal-channel angular pressing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 410-411, 402-407.	5.6	30
108	A High-Rate Energy-Resolving Photon-Counting ASIC for Spectral Computed Tomography. <i>IEEE Transactions on Nuclear Science</i> , 2012, 59, 30-39.	2.0	30

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109	Energy resolution of a segmented silicon strip detector for photon-counting spectral CT. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 715, 11-17.	1.6	30
110	Investigation of 30-cell solid oxide electrolyzer stack modules for hydrogen production. Ceramics International, 2014, 40, 5801-5809.	4.8	30
111	Petrological and geochemical characteristics of Zhaibei granites in Nanling region, Southeast China: Implications for REE mineralization. Ore Geology Reviews, 2015, 64, 569-582.	2.7	30
112	Developing Superplastic Ductilities in Ultrafine-Grained Metals. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2007, 38, 1891-1898.	2.2	28
113	High temperature annealing effect on structure, optical property and laser-induced damage threshold of Ta ₂ O ₅ films. Applied Surface Science, 2008, 254, 6554-6559.	6.1	28
114	Novel method for design of surface relief guided-mode resonant gratings at normal incidence. Optics Communications, 2008, 281, 3295-3300.	2.1	28
115	REE mineralization in the Bayan Obo deposit, China: Evidence from mineral paragenesis. Ore Geology Reviews, 2017, 91, 100-109.	2.7	28
116	Phase change memory based on Ge ₂ Sb ₂ Te ₅ capped between polygermanium layers. Applied Physics Letters, 2008, 92, .	3.3	27
117	Thermal shock behavior of ZrB ₂ /SiC composite ceramics with added TaSi ₂ . International Journal of Refractory Metals and Hard Materials, 2013, 41, 507-516.	3.8	27
118	Carbonatites of Tarim (NW China): First evidence of crustal contribution in carbonatites from a large igneous province. Lithos, 2017, 282-283, 1-9.	1.4	27
119	Template free growth of robustly stable nanophotonic structures: broadband light superabsorbers. Journal of Materials Chemistry C, 2018, 6, 8646-8662.	5.5	26
120	Effects of coal syngas major compositions on Ni/YSZ anode-supported solid oxide fuel cells. Journal of Power Sources, 2010, 195, 2230-2235.	7.8	25
121	A Silicon-Strip Detector for Photon-Counting Spectral CT: Energy Resolution From 40 keV to 120 keV. IEEE Transactions on Nuclear Science, 2014, 61, 1099-1105.	2.0	25
122	Functionalizing carbon nanotubes for effective electrocatalysts supports by an intermittent microwave heating method. Journal of Power Sources, 2012, 198, 1-6.	7.8	24
123	Degradation behaviors of perfluorosulfonic acid polymer electrolyte membranes for polymer electrolyte membrane fuel cells under varied acceleration conditions. Journal of Applied Polymer Science, 2013, 129, 1586-1592.	2.6	24
124	Preparation of a Gd _{0.1} Ce _{0.9} O ₂ interlayer for intermediate-temperature solid oxide fuel cells by spray coating. Journal of Alloys and Compounds, 2010, 505, 118-124.	5.5	23
125	Experimental investigation of the response of gelatine behind the soft body armor. Forensic Science International, 2016, 266, 8-13.	2.2	23
126	Carbon-Strontium Isotope Decoupling in Carbonatites from Caotan (Qinling, China): Implications for the Origin of Calcite Carbonatite in Orogenic Settings. Journal of Petrology, 2020, 61, .	2.8	23

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127	Creep and superplasticity in a spray-cast aluminum alloy processed by ECA pressing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 410-411, 398-401.	5.6	22
128	Geophysical Evidence through a CSAMT Survey of the Deep Geological Structure at a Potential Radioactive Waste Site at Beishan, Gansu, China. <i>Journal of Environmental and Engineering Geophysics</i> , 2013, 18, 43-54.	0.5	22
129	A pilot ecological engineering project for municipal solid waste reduction, disinfection, regeneration and industrialization in Guanghan City, China. <i>Ecological Engineering</i> , 1998, 11, 129-138.	3.6	21
130	Y2O3 stabilized ZrO2 thin films deposited by electron-beam evaporation: Optical properties, structure and residual stresses. <i>Vacuum</i> , 2008, 83, 366-371.	3.5	21
131	Hydrothermal alteration of pyrochlore group minerals from the Miaoya carbonatite complex, central China and its implications for Nb mineralization. <i>Ore Geology Reviews</i> , 2021, 132, 104059.	2.7	21
132	Microstructural evolution in a spray-cast aluminum alloy during equal-channel angular pressing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 410-411, 303-307.	5.6	20
133	Evolution of Microstructure and Precipitation in Heat-Treatable Aluminium Alloys during ECA Pressing and Subsequent Heat Treatment. <i>Materials Science Forum</i> , 2006, 503-504, 275-280.	0.3	20
134	Preparation of high laser-induced damage threshold Ta2O5 films. <i>Applied Surface Science</i> , 2014, 309, 194-199.	6.1	20
135	Rare earth element enrichment in Palaeoproterozoic Fengzhen carbonatite from the North China block. <i>International Geology Review</i> , 2016, 58, 1940-1950.	2.1	20
136	Signatures of the source for the Emeishan flood basalts in the Ertan area: Pb isotope evidence. <i>Diqiu Huaxue</i> , 2007, 26, 207-213.	0.5	19
137	Petrogenesis and mineralization of REE-rich granites in Qingxi and Guanxi, Nanling region, South China. <i>Ore Geology Reviews</i> , 2017, 81, 309-325.	2.7	19
138	Using ball-indentation to evaluate the properties of an ultrafine-grained Al-2% Si alloy processed by ECAP. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 427, 188-194.	5.6	18
139	Geochemistry of Cretaceous granites from Mianning in the Panxi region, Sichuan Province, southwestern China: Implications for their generation. <i>Journal of Asian Earth Sciences</i> , 2007, 29, 737-750.	2.3	18
140	Effects of deposition parameters on laser-induced damage threshold of Ta2O5 films. <i>Optics and Laser Technology</i> , 2010, 42, 497-502.	4.6	18
141	Towards Human Motion Tracking: Multi-Sensory IMU/TOA Fusion Method and Fundamental Limits. <i>Electronics (Switzerland)</i> , 2019, 8, 142.	3.1	18
142	Abundances and significance of platinum group elements in carbonatites from China. <i>Lithos</i> , 2008, 105, 201-207.	1.4	17
143	Quantitative contribution of resistance sources of components to stack performance for solid oxide electrolysis cells. <i>Journal of Power Sources</i> , 2015, 274, 736-740.	7.8	17
144	On the feasibility of using a continuous processing technique incorporating a limited strain imposed by ECAP. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 485, 476-480.	5.6	16

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145	Detaching behaviors of catalyst layers applied in PEM fuel cells by off-line accelerated test. International Journal of Hydrogen Energy, 2010, 35, 8155-8160.	7.1	16
146	Effect of Oxygen Vacancy on the Band Gap and Nanosecond Laser-Induced Damage Threshold of Ta ₂ O ₅ Films. Chinese Physics Letters, 2012, 29, 084207.	3.3	16
147	Correlations between the oxygen deficiency and the laser damage resistance of different oxide films. Applied Surface Science, 2014, 289, 141-144.	6.1	16
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