

Bo Chen

List of Publications by Year in descending order

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47
papers

1,502
citations

430754

18
h-index

315616

38
g-index

48
all docs

48
docs citations

48
times ranked

2238
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphitic Carbon Nitride ($\text{g-C}_3\text{N}_4$): An Interface Enabler for Solid-State Lithium Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3699-3704.	7.2	220
2	Surfactant assisted Ce-Fe mixed oxide decorated multiwalled carbon nanotubes and their arsenic adsorption performance. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11355.	5.2	151
3	Phase retrieval by coherent modulation imaging. <i>Nature Communications</i> , 2016, 7, 13367.	5.8	125
4	One-pot, large-scale synthesis of magnetic activated carbon nanotubes and their applications for arsenic removal. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4662.	5.2	122
5	Synthesis of ordered mesoporous iron manganese bimetal oxides for arsenic removal from aqueous solutions. <i>Microporous and Mesoporous Materials</i> , 2014, 200, 235-244.	2.2	91
6	Facile synthesis of mesoporous Ce-Fe bimetal oxide and its enhanced adsorption of arsenate from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2013, 398, 142-151.	5.0	90
7	One-pot, solid-phase synthesis of magnetic multiwalled carbon nanotube/iron oxide composites and their application in arsenic removal. <i>Journal of Colloid and Interface Science</i> , 2014, 434, 9-17.	5.0	80
8	Facile Hydrothermal Synthesis of Nanostructured Hollow Iron-Cerium Alkoxides and Their Superior Arsenic Adsorption Performance. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 14016-14025.	4.0	69
9	Nanocasted synthesis of ordered mesoporous cerium iron mixed oxide and its excellent performances for As(V) and Cr(VI) removal from aqueous solutions. <i>Dalton Transactions</i> , 2014, 43, 10767-10777.	1.6	59
10	Three-Dimensional Structure Analysis and Percolation Properties of a Barrier Marine Coating. <i>Scientific Reports</i> , 2013, 3, 1177.	1.6	51
11	Three-dimensional positioning and structure of chromosomes in a human prophase nucleus. <i>Science Advances</i> , 2017, 3, e1602231.	4.7	37
12	Nanocrystalline Li-Al-Mn-Si Foil as Reversible Li Host: Electronic Percolation and Electrochemical Cycling Stability. <i>Nano Letters</i> , 2020, 20, 896-904.	4.5	33
13	Graphitic Carbon Nitride ($\text{g-C}_3\text{N}_4$): An Interface Enabler for Solid-State Lithium Metal Batteries. <i>Angewandte Chemie</i> , 2020, 132, 3728-3733.	1.6	32
14	In Situ Bragg Coherent Diffraction Imaging Study of a Cement Phase Microcrystal during Hydration. <i>Crystal Growth and Design</i> , 2015, 15, 3087-3091.	1.4	27
15	Unified full-range plasticity till fracture of meta steel and structural steels. <i>Engineering Fracture Mechanics</i> , 2021, 253, 107869.	2.0	25
16	Deciphering the Role of Fluoroethylene Carbonate towards Highly Reversible Sodium Metal Anodes. <i>Research</i> , 2022, 2022, 9754612.	2.8	23
17	Pore structure development during hydration of tricalcium silicate by X-ray nano-imaging in three dimensions. <i>Construction and Building Materials</i> , 2019, 200, 318-323.	3.2	21
18	X-ray ptychography on low-dimensional hard-condensed matter materials. <i>Applied Physics Reviews</i> , 2019, 6, 011306.	5.5	20

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19	A Cyclometalated Iridium (III) Complex as a Microtubule Probe for Correlative Super-Resolution Fluorescence and Electron Microscopy. <i>Advanced Materials</i> , 2020, 32, e2003901.	11.1	20
20	Stochastic micromechanical predictions for the probabilistic behavior of saturated concrete repaired by the electrochemical deposition method. <i>International Journal of Damage Mechanics</i> , 2020, 29, 435-453.	2.4	18
21	Iron Oxide Supported Sulfhydryl-Functionalized Multiwalled Carbon Nanotubes for Removal of Arsenite from Aqueous Solution. <i>ChemPlusChem</i> , 2015, 80, 740-748.	1.3	16
22	Investigation on microstructure heterogeneity of the HPDC AlSiMgMnCu alloy through 3D electron microscopy. <i>Materials and Design</i> , 2022, 218, 110679.	3.3	16
23	Staining and Embedding of Human Chromosomes for 3-D Serial Block-Face Scanning Electron Microscopy. <i>BioTechniques</i> , 2014, 57, 302-307.	0.8	14
24	Thermoelectric properties of p-type MnSe. <i>Journal of Alloys and Compounds</i> , 2019, 789, 953-959.	2.8	14
25	Coherent diffraction study of calcite crystallization during the hydration of tricalcium silicate. <i>Materials and Design</i> , 2018, 157, 251-257.	3.3	12
26	Novel silica stabilization method for the analysis of fine nanocrystals using coherent X-ray diffraction imaging. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 953-958.	1.0	10
27	Selective adsorption of flavonoids on cerium-doped ferroferric oxide magnetic particles. <i>Journal of Chromatography A</i> , 2021, 1648, 462189.	1.8	10
28	Three-dimensional analysis of the spatial distribution of iron oxide particles in a decorative coating by electron microscopic imaging. <i>Progress in Organic Coatings</i> , 2014, 77, 1069-1072.	1.9	9
29	Three-Dimensional Characterization of Hardened Paste of Hydrated Tricalcium Silicate by Serial Block-Face Scanning Electron Microscopy. <i>Materials</i> , 2019, 12, 1882.	1.3	9
30	Numerical Analysis of Dynamic Soil-Box Foundation-Structure Interaction System. <i>Journal of Asian Architecture and Building Engineering</i> , 2002, 1, 9-16.	1.2	8
31	Effect of Mineral Composition and w/c Ratios to the Growth of AFt during Cement Hydration by In-Situ Powder X-ray Diffraction Analysis. <i>Materials</i> , 2020, 13, 4963.	1.3	8
32	3D microstructure reconstruction of casting aluminum alloy based on serial block-face scanning electron microscopy. <i>Journal of Alloys and Compounds</i> , 2019, 778, 721-730.	2.8	7
33	Low-melting metal bonded MM ² X/In composite with largely enhanced mechanical property and anisotropic negative thermal expansion. <i>Acta Materialia</i> , 2022, 229, 117830.	3.8	7
34	Nucleation of fractal nanocrystallites upon annealing of Fe-based metallic glass. <i>Journal of Materials Research</i> , 2017, 32, 1880-1887.	1.2	6
35	Investigation of Three-Dimensional Microstructure of Tricalcium Silicate (C3S) by Electron Microscopy. <i>Materials</i> , 2018, 11, 1110.	1.3	6
36	Investigation of spatial nano-structure development of the hardened C3S pastes by serial block-face SEM. <i>Materials Characterization</i> , 2021, 174, 110973.	1.9	5

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37	Ultra-Structural Imaging Provides 3D Organization of 46 Chromosomes of a Human Lymphocyte Prophase Nucleus. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5987.	1.8	5
38	Three-dimensional imaging and analysis of the internal structure of SAPO-34 zeolite crystals. <i>RSC Advances</i> , 2018, 8, 33631-33636.	1.7	4
39	Evaluation of thermoelectric CdSnAs ₂ with intrinsically low effective mass. <i>Journal of Alloys and Compounds</i> , 2019, 809, 151772.	2.8	4
40	In-situ investigation of crystallization and structural evolution of a metallic glass in three dimensions at nano-scale. <i>Materials and Design</i> , 2020, 190, 108551.	3.3	4
41	Investigation of Three-Dimensional Structure and Pigment Surrounding Environment of a TiO ₂ Containing Waterborne Paint. <i>Materials</i> , 2019, 12, 464.	1.3	3
42	Terpyridine Zn(II) Complexes with Azide Units for Visualization of Histone Deacetylation in Living Cells under STED Nanoscopy. <i>ACS Sensors</i> , 2021, 6, 3978-3984.	4.0	3
43	Hybrid Lithographic Arbitrary Patterning of TiO ₂ Nanorod Arrays. <i>ACS Omega</i> , 2022, 7, 22039-22045.	1.6	3
44	Unusual Breathing Behavior of Optically Excited Barium Titanate Nanocrystals. <i>Crystals</i> , 2020, 10, 365.	1.0	1
45	Nivolumab Immunotherapy Plus Hydrogen Inhalation for Treatment of KRAS-Mutant Pulmonary Sarcomatoid Carcinoma: A Case Report. <i>Nano LIFE</i> , 2021, 11, 2140003.	0.6	1
46	Live-Cell Imaging: A Cyclometalated Iridium (III) Complex as a Microtubule Probe for Correlative Super-Resolution Fluorescence and Electron Microscopy (<i>Adv. Mater.</i> 39/2020). <i>Advanced Materials</i> , 2020, 32, 2070296.	11.1	0
47	Multiband transport enables thermoelectric enhancements in the SrMg ₂ Bi ₂ compound. <i>Journal of Applied Physics</i> , 2022, 131, 135101.	1.1	0