

Neng Li

List of Publications by Year in descending order

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papers

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all docs

190
docs citations

190
times ranked

15019
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Ammonia Synthesis via NO Reduction on 2D MOF. <i>ChemPhysChem</i> , 2022, 23, .	1.0	16
2	Shedding light on the energy applications of emerging 2D hybrid organic-inorganic halide perovskites. <i>IScience</i> , 2022, 25, 103753.	1.9	9
3	Structural engineering of tin sulfides anchored on nitrogen/phosphorus dual-doped carbon nanofibres in sodium/potassium-ion batteries. <i>Carbon</i> , 2022, 189, 46-56.	5.4	86
4	Comprehending the stability of Sr ²⁺ immobilization in chemically bonded phosphate ceramic system: A mechanism study. <i>Ceramics International</i> , 2022, 48, 10209-10219.	2.3	2
5	A Three-Region Configuration for Enhanced Electrochemical Kinetics and High Areal Capacity Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	52
6	Complex permittivity-dependent plasma confinement-assisted growth of asymmetric vertical graphene nanofiber membrane for high-performance Li-S full cells. <i>Informa Mater</i> , 2022, 4, .	8.5	45
7	Weatherability of Bamboo Scrimber: Enhance in Photostability of Substrate and Coatings. <i>Forests</i> , 2022, 13, 467.	0.9	1
8	Facile Melting-Crystallization Synthesis of Cs ₂ NaAgInCl ₆ : Bi Double Perovskites for White Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2022, 61, 5040-5047.	1.9	10
9	A mild biomass pretreatment process with efficiency and specificity in co-solvent of γ -valerolactone and aqueous p-toluenesulfonic acid. <i>Chemical Engineering Journal</i> , 2022, 437, 135408.	6.6	38
10	Additive-mediated intercalation and surface modification of MXenes. <i>Chemical Society Reviews</i> , 2022, 51, 2972-2990.	18.7	101
11	Copper doped CoS _x @Co(OH) ₂ hierarchical mesoporous nanosheet arrays as binder-free electrodes for superior supercapacitors. <i>Journal of Alloys and Compounds</i> , 2022, 911, 165115.	2.8	18
12	First-Principles Calculations of Thermoelectric Transport Properties of Quaternary and Ternary Bulk Chalcogenide Crystals. <i>Materials</i> , 2022, 15, 2843.	1.3	14
13	MXenes: An emergent materials for packaging platforms and looking beyond. <i>Nano Select</i> , 2022, 3, 1123-1147.	1.9	9
14	Strategic design and fabrication of MXenes-Ti ₃ CNCl ₂ @CoS ₂ core-shell nanostructure for high-efficiency hydrogen evolution. <i>Nano Research</i> , 2022, 15, 5977-5986.	5.8	61
15	The deformation of short-range order leading to rearrangement of topological network structure in zeolitic imidazolate framework glasses. <i>IScience</i> , 2022, 25, 104351.	1.9	11
16	Charge transfer and orbital reconstruction of non-noble transition metal single-atoms anchored on Ti ₂ CT-MXenes for highly selective CO ₂ electrochemical reduction. <i>Chinese Journal of Catalysis</i> , 2022, 43, 1906-1917.	6.9	29
17	Improving stability of MXenes. <i>Nano Research</i> , 2022, 15, 6551-6567.	5.8	87
18	Assembling Ti ₃ C ₂ MXene into ZnIn ₂ S ₄ -NiSe ₂ S-scheme heterojunction with multiple charge transfer channels for accelerated photocatalytic H ₂ generation. <i>Chemical Engineering Journal</i> , 2022, 447, 137488.	6.6	62

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19	Photodegradation and Photostability of Bamboo: Recent Advances. ACS Omega, 2022, 7, 24041-24047.	1.6	5
20	Insights into electrochemical nitrogen reduction reaction mechanisms: Combined effect of single transition-metal and boron atom. Journal of Energy Chemistry, 2021, 58, 577-585.	7.1	66
21	MXenes: An Emerging Platform for Wearable Electronics and Looking Beyond. Matter, 2021, 4, 377-407.	5.0	125
22	Rapid directionally solidified microstructure characteristic and fracture behaviour of laser melting deposited Nb-Si-Ti alloy. Progress in Natural Science: Materials International, 2021, 31, 113-120.	1.8	15
23	Atomic-Scale Superlubricity in Ti ₂ CO ₂ @MoS ₂ Layered Heterojunctions Interface: A First Principles Calculation Study. ACS Omega, 2021, 6, 9013-9019.	1.6	16
24	Highly Sensitive and Selective Gas Sensor Using Heteroatom Doping Graphdiyne: A DFT Study. Advanced Electronic Materials, 2021, 7, 2001244.	2.6	37
25	Uncovering the Phase Transition of Berlinite (±-AlPO ₄) under High Pressure: Insights from First-principles Calculations. Journal Wuhan University of Technology, Materials Science Edition, 2021, 36, 248-254.	0.4	6
26	Hollow Co-Mo-Se nanosheet arrays derived from metal-organic framework for high-performance supercapacitors. Journal of Power Sources, 2021, 490, 229532.	4.0	79
27	Improving the Catalytic CO ₂ Reduction on Cs ₂ AgBiBr ₆ by Halide Defect Engineering: A DFT Study. Materials, 2021, 14, 2469.	1.3	13
28	Structural and physical properties of 99 complex bulk chalcogenides crystals using first-principles calculations. Scientific Reports, 2021, 11, 9921.	1.6	18
29	Facile Preparation of Zn ₂ V ₂ O ₇ VO ₂ Composite Films with Enhanced Thermochromic Properties for Smart Windows. ACS Applied Electronic Materials, 2021, 3, 2224-2232.	2.0	17
30	A flexible metallic TiC nanofiber/vertical graphene 1D/2D heterostructured as active electrocatalyst for advanced Li-S batteries. Information Materials, 2021, 3, 790-803.	8.5	142
31	Self-adhesive protein/polypyrrole hybrid film for flexible electronic sensors in physiological signal monitoring. International Journal of Biological Macromolecules, 2021, 181, 160-168.	3.6	10
32	An Insight into the Effects of SnF ₂ Assisting the Performance of Lead-Free Perovskite of FASnI ₃ : A First-Principles Calculations. ACS Omega, 2021, 6, 14938-14951.	1.6	1
33	Computational screening study of double transition metal carbonitrides M ₂ CNO ₂ -MXene as catalysts for hydrogen evolution reaction. Npj Computational Materials, 2021, 7, .	3.5	63
34	Towards high-performance all-solid-state asymmetric supercapacitors: A hierarchical doughnut-like Ni ₃ S ₂ @PPy core-shell heterostructure on nickel foam electrode and density functional theory calculations. Journal of Power Sources, 2021, 501, 230003.	4.0	67
35	Transition-metal-atom-pairs deposited on g-CN monolayer for nitrogen reduction reaction: Density functional theory calculations. Chinese Journal of Catalysis, 2021, 42, 1160-1167.	6.9	43
36	Understanding the Mechanism of PbCl ₂ Additive for MAPbI ₃ -Based Perovskite Solar Cells. Advanced Photonics Research, 2021, 2, 2100012.	1.7	4

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37	In-situ construction of metallic Ni ₃ C@Ni core-shell cocatalysts over g-C ₃ N ₄ nanosheets for shell-thickness-dependent photocatalytic H ₂ production. <i>Applied Catalysis B: Environmental</i> , 2021, 291, 120104.	10.8	258
38	Double Transition Metal Carbides MXenes (D-MXenes) as Promising Electrocatalysts for Hydrogen Reduction Reaction: <i>Ab Initio</i> Calculations. <i>ACS Omega</i> , 2021, 6, 23676-23682.	1.6	14
39	Control of Shape and Size in Iron Fluoride Porous Sub-Microspheres: Consequences for Steric Hindrance Interaction. <i>Frontiers in Nanotechnology</i> , 2021, 3, .	2.4	0
40	Rationally constructing CoO and CoSe ₂ hybrid with CNTs-graphene for impressively enhanced oxygen evolution and DFT calculations. <i>Chemical Engineering Journal</i> , 2021, 422, 129982.	6.6	33
41	A novel rare-earth luminescent coordination polymer showing potential semiconductor characteristic constructed by anthracene-based dicarboxylic acid ligand (H ₂ L). <i>Journal of Molecular Structure</i> , 2021, 1243, 130788.	1.8	5
42	Oxygen vacancy mediated step-scheme heterojunction of WO _{2.9} /g-C ₃ N ₄ for efficient electrochemical sensing of 4-nitrophenol. <i>Chemical Engineering Journal Advances</i> , 2021, 8, 100175.	2.4	9
43	Synthesis of furfural from xylan in β -valerolactone/molten salt hydrate biphasic system. <i>Chemical Engineering Journal</i> , 2021, 425, 130608.	6.6	29
44	Intercalation engineering of MXenes towards highly efficient photo(electrocatalytic) hydrogen evolution reactions. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24195-24214.	5.2	41
45	Mo ₂ C-MXene/CdS Heterostructures as Visible-Light Photocatalysts with an Ultrahigh Hydrogen Production Rate. <i>ACS Applied Energy Materials</i> , 2021, 4, 12754-12766.	2.5	42
46	Comprehensive Mechanism of CO ₂ Electroreduction on Non-Noble Metal Single-Atom Catalysts of Mo ₂ CS ₂ -MXene. <i>Chemistry - A European Journal</i> , 2021, 27, 17900-17909.	1.7	16
47	Unveiling the mechanism of high-performance hydrogen evolution reaction on noble-metal-free (113)-faceted Ni ₃ C: <i>Ab Initio</i> calculations. <i>RSC Advances</i> , 2021, 12, 869-873.	1.7	1
48	Uncovering the electrochemical mechanisms for hydrogen evolution reaction of heteroatom doped M ₂ C MXene (M = Ti, Mo). <i>Applied Surface Science</i> , 2020, 500, 143987.	3.1	93
49	Atomic occupancy mechanism in brownmillerite Ca ₂ FeAlO ₅ from a thermodynamic perspective. <i>Journal of the American Ceramic Society</i> , 2020, 103, 635-644.	1.9	15
50	Reliable and selective lead-ion sensor of sulfur-doped graphitic carbon nitride nanoflakes. <i>Applied Surface Science</i> , 2020, 506, 144672.	3.1	37
51	Evaluation of biochar properties exposing to solar radiation: A promotion on surface activities. <i>Chemical Engineering Journal</i> , 2020, 384, 123353.	6.6	13
52	Understanding hydrogen bonding in calcium silicate hydrate combining solid-state NMR and first principle calculations. <i>Construction and Building Materials</i> , 2020, 233, 117347.	3.2	19
53	Probing the active sites of site-specific nitrogen doping in metal-free graphdiyne for electrochemical oxygen reduction reactions. <i>Science Bulletin</i> , 2020, 65, 45-54.	4.3	52
54	Integrating 2D/2D CdS/Fe ₂ O ₃ ultrathin bilayer Z-scheme heterojunction with metallic NiS nanosheet-based ohmic-junction for efficient photocatalytic H ₂ evolution. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118619.	10.8	199

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55	General energy-strain scheme for accurate evaluation of the Born elasticity term for solid and liquid systems under finite temperature and pressure conditions. <i>Computer Physics Communications</i> , 2020, 247, 106940.	3.0	7
56	The safety and efficacy of airway pressure release ventilation in acute respiratory distress syndrome patients. <i>Medicine (United States)</i> , 2020, 99, e18586.	0.4	12
57	Ti ₃ C ₂ MXene as an energy band bridge to regulate the heterointerface mass transfer and electron reversible exchange process for Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25255-25267.	5.2	70
58	Single-Metal Atoms Supported on MBenes for Robust Electrochemical Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9261-9267.	4.0	70
59	Intra- and intermolecular atomic-scale interactions in the receptor binding domain of SARS-CoV-2 spike protein: implication for ACE2 receptor binding. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 18272-18283.	1.3	53
60	Oxygen defect chemistry for the reversible transformation of titanates for sizeable potassium storage. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17550-17557.	5.2	5
61	Effects of the halogenated imidazolate linker on the fundamental properties of amorphous zeolitic imidazolate frameworks. <i>Journal of Non-Crystalline Solids</i> , 2020, 536, 120005.	1.5	6
62	Unraveling the electronic structure, mechanical, and dielectric properties of ZnPurBr-MOF: <i>Ab initio</i> calculations. <i>APL Materials</i> , 2020, 8, .	2.2	11
63	Density Functional Theory Study of Single Metal Atoms Embedded into MBene for Electrocatalytic Conversion of N ₂ to NH ₃ . <i>ACS Applied Nano Materials</i> , 2020, 3, 9870-9879.	2.4	35
64	Pb-Based Halide Perovskites: Recent Advances in Photo(electro)catalytic Applications and Looking Beyond. <i>Advanced Functional Materials</i> , 2020, 30, 1909667.	7.8	77
65	Atomic-level insights into the influence of zinc incorporation on clinker hydration reactivity. <i>Open Ceramics</i> , 2020, 1, 100004.	1.0	6
66	Photogenerated Electron Transfer Process in Heterojunctions: In Situ Irradiation XPS. <i>Small Methods</i> , 2020, 4, 2000214.	4.6	129
67	A MoS ₂ @SnS heterostructure for sodium-ion storage with enhanced kinetics. <i>Nanoscale</i> , 2020, 12, 14689-14698.	2.8	53
68	Integration Analysis of m6A-SNPs and eQTLs Associated With Sepsis Reveals Platelet Degranulation and Staphylococcus aureus Infection are Mediated by m6A mRNA Methylation. <i>Frontiers in Genetics</i> , 2020, 11, 7.	1.1	24
69	Interface Engineering of Hierarchical Branched Mo-Doped Ni ₃ S ₂ /Ni _x P _y Hollow Heterostructure Nanorods for Efficient Overall Water Splitting. <i>Advanced Energy Materials</i> , 2020, 10, 1903891.	10.2	443
70	Built-in electric field-assisted step-scheme heterojunction of carbon nitride-copper oxide for highly selective electrochemical detection of p-nonylphenol. <i>Electrochimica Acta</i> , 2020, 354, 136658.	2.6	26
71	Surface oxygen vacancies promoted photodegradation of benzene on TiO ₂ film. <i>Applied Surface Science</i> , 2020, 511, 145597.	3.1	60
72	Facile synthesis of CuS/MXene nanocomposites for efficient photocatalytic hydrogen generation. <i>CrystEngComm</i> , 2020, 22, 2060-2066.	1.3	21

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73	Thermal radiation and cycling properties of (Ca, Fe) or (Sr, Mn) co-doped La ₂ Ce ₂ O ₇ coatings. Journal of the European Ceramic Society, 2020, 40, 2020-2029.	2.8	46
74	Cesium immobilization by K-struvite crystal in aqueous solution: Ab initio calculations and experiments. Journal of Hazardous Materials, 2020, 387, 121872.	6.5	16
75	Highly green fluorescent Nb ₂ C MXene quantum dots. Chemical Communications, 2020, 56, 6648-6651.	2.2	49
76	Unraveling the effects of linker substitution on structural, electronic and optical properties of amorphous zeolitic imidazolate frameworks-62 (a-ZIF-62) glasses: a DFT study. RSC Advances, 2020, 10, 14013-14024.	1.7	10
77	N-terminal region of Helicobacter pylori CagA induces IL-8 production in gastric epithelial cells via the I ² 1 integrin receptor. Journal of Medical Microbiology, 2020, 69, 457-464.	0.7	9
78	Synergistic additive-mediated CVD growth and chemical modification of 2D materials. Chemical Society Reviews, 2019, 48, 4639-4654.	18.7	108
79	Uptake of heavy metal ions in layered double hydroxides and applications in cementitious materials: Experimental evidence and first-principle study. Construction and Building Materials, 2019, 222, 96-107.	3.2	21
80	Highly fluorescent Ti ₃ C ₂ MXene quantum dots for macrophage labeling and Cu ²⁺ ion sensing. Nanoscale, 2019, 11, 14123-14133.	2.8	140
81	Understanding the electronic structure, mechanical properties, and thermodynamic stability of (TiZrHfNbTa)C combined experiments and first-principles simulation. Journal of Applied Physics, 2019, 126, .	1.1	19
82	2020 Roadmap on two-dimensional nanomaterials for environmental catalysis. Chinese Chemical Letters, 2019, 30, 2065-2088.	4.8	90
83	Tuning Pressure-Induced Phase Transitions, Amorphization, and Excitonic Emissions of 2D Hybrid Perovskites via Varying Organic Amine Cations. Journal of Physical Chemistry C, 2019, 123, 22491-22498.	1.5	19
84	Self-Supported Nonprecious MXene/Ni ₃ S ₂ Electrocatalysts for Efficient Hydrogen Generation in Alkaline Media. ACS Applied Energy Materials, 2019, 2, 6931-6938.	2.5	62
85	Photostabilizing Efficiency of Acrylic-based Bamboo Exterior Coatings Combining Benzotriazole and Zinc Oxide Nanoparticles. Coatings, 2019, 9, 533.	1.2	12
86	Red/orange dual-emissive carbon dots for pH sensing and cell imaging. Nano Research, 2019, 12, 815-821.	5.8	196
87	Hydrochromic full-color MXene quantum dots through hydrogen bonding toward ultrahigh-efficiency white light-emitting diodes. Applied Materials Today, 2019, 16, 90-101.	2.3	86
88	Understanding the zinc incorporation into silicate clinker during waste co-disposal of cement kiln: A density functional theory study. Journal of Cleaner Production, 2019, 232, 329-336.	4.6	33
89	Improvement of surface photostability of bamboo scrimber by application of organic UV absorber coatings. Journal of Wood Science, 2019, 65, .	0.9	24
90	Investigation on the synergy mechanism of mixed inhibitors " Mannich base and Na ₂ WO ₄ on Fe surface by molecules dynamic simulation. Molecular Simulation, 2019, 45, 927-934.	0.9	4

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91	Predicting Hydration Reactivity of Cu-Doped Clinker Crystals by Capturing Electronic Structure Modification. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6412-6421.	3.2	20
92	Understanding the atomic and electronic structures origin of defect luminescence of CdSe quantum dots in glass matrix. <i>Journal of the American Ceramic Society</i> , 2019, 102, 5375-5385.	1.9	19
93	A Note on the Surface Deterioration of Scrimber Composites Exposed to Artificial Ageing. <i>Coatings</i> , 2019, 9, 846.	1.2	5
94	Single atom-supported MXene: how single-atomic-site catalysts tune the high activity and selectivity of electrochemical nitrogen fixation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 27620-27631.	5.2	133
95	Atomic-level insight into the mechanism of OD/2D black phosphorus quantum dot/graphitic carbon nitride (BPQD/GCN) metal-free heterojunction for photocatalysis. <i>Applied Surface Science</i> , 2019, 463, 1148-1153.	3.1	64
96	Progress in additive manufacturing on new materials: A review. <i>Journal of Materials Science and Technology</i> , 2019, 35, 242-269.	5.6	503
97	Structural, electronic, and dielectric properties of a large random network model of amorphous zeolitic imidazolate frameworks and its analogues. <i>Journal of the American Ceramic Society</i> , 2019, 102, 4602-4611.	1.9	13
98	Synergistic effect and mechanism of copper corrosion inhibition using cinnamaldehyde and vanillin in HCl solution: An experimental and theoretical approach. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 563, 246-254.	2.3	37
99	Surface and Heterointerface Engineering of 2D MXenes and Their Nanocomposites: Insights into Electro- and Photocatalysis. <i>CheM</i> , 2019, 5, 18-50.	5.8	579
100	Comprehending the occupying preference of manganese substitution in crystalline cement clinker phases: A theoretical study. <i>Cement and Concrete Research</i> , 2018, 109, 19-29.	4.6	59
101	Metal Charge Transfer Doped Carbon Dots with Reversibly Switchable, Ultra-High Quantum Yield Photoluminescence. <i>ACS Applied Nano Materials</i> , 2018, 1, 1886-1893.	2.4	64
102	Synthesis, mechanical investigation, and application of nitrogen and phosphorus co-doped carbon dots with a high photoluminescent quantum yield. <i>Nano Research</i> , 2018, 11, 3691-3701.	5.8	75
103	Fundamental principles that govern the copper doping behavior in complex clinker system. <i>Journal of the American Ceramic Society</i> , 2018, 101, 2527-2536.	1.9	29
104	Microstructure Characteristics and Mechanical Properties of Nb-17Si-23Ti Ternary Alloys Fabricated by In Situ Reaction Laser Melting Deposition. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018, 31, 362-370.	1.5	27
105	Electroacupuncture Ameliorates Subchondral Bone Deterioration and Inhibits Cartilage Degeneration in Ovariectomised Rats. <i>Acupuncture in Medicine</i> , 2018, 36, 37-43.	0.4	12
106	Photocatalytic fixation of nitrogen to ammonia: state-of-the-art advancements and future prospects. <i>Materials Horizons</i> , 2018, 5, 9-27.	6.4	586
107	The rising star of 2D black phosphorus beyond graphene: synthesis, properties and electronic applications. <i>2D Materials</i> , 2018, 5, 014002.	2.0	208
108	Deformation behavior of an amorphous zeolitic imidazolate framework “from a supersoft material to a complex organometallic alloy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 29001-29011.	1.3	21

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109	Frontispiece: Insights into the Electrocatalytic Hydrogen Evolution Reaction Mechanism on Two-dimensional Transition-Metal Carbonitrides (MXene). Chemistry - A European Journal, 2018, 24, .	1.7	0
110	Two-dimensional quantum dots: Fundamentals, photoluminescence mechanism and their energy and environmental applications. Materials Today Energy, 2018, 10, 222-240.	2.5	87
111	Insights into the Electrocatalytic Hydrogen Evolution Reaction Mechanism on Two-dimensional Transition-Metal Carbonitrides (MXene). Chemistry - A European Journal, 2018, 24, 18479-18486.	1.7	87
112	Understanding the atomic and electronic origin of mechanical property in thaumasite and ettringite mineral crystals. Journal of the American Ceramic Society, 2018, 101, 5177-5187.	1.9	14
113	Multi-functional Ni ₃ C cocatalyst/g-C ₃ N ₄ nanoheterojunctions for robust photocatalytic H ₂ evolution under visible light. Journal of Materials Chemistry A, 2018, 6, 13110-13122.	5.2	241
114	High photoluminescence quantum yield of 18.7% by using nitrogen-doped Ti ₃ C ₂ MXene quantum dots. Journal of Materials Chemistry C, 2018, 6, 6360-6369.	2.7	159
115	Polymorphisms of long non-coding RNA HOTAIR with breast cancer susceptibility and clinical outcomes for a southeast Chinese Han population. Oncotarget, 2018, 9, 3677-3689.	0.8	31
116	Enhancement of bamboo surface photostability by application of clear coatings containing a combination of organic/inorganic UV absorbers. Progress in Organic Coatings, 2018, 124, 314-320.	1.9	23
117	Unravelling the electrochemical mechanisms for nitrogen fixation on single transition metal atoms embedded in defective graphitic carbon nitride. Journal of Materials Chemistry A, 2018, 6, 21941-21948.	5.2	161
118	Wet chemical synthesis of ZnO nanocoating on the surface of bamboo timber with improved mould-resistance. Journal of Saudi Chemical Society, 2017, 21, 920-928.	2.4	41
119	A simple solution-phase route for room-temperature synthesis of mesoporous and nanocrystalline anatase TiO ₂ . Inorganic and Nano-Metal Chemistry, 2017, 47, 158-161.	0.9	1
120	Tuning and Locking the Localized Surface Plasmon Resonances of CuS (Covellite) Nanocrystals by an Amorphous CuPd _x S Shell. Chemistry of Materials, 2017, 29, 1716-1723.	3.2	50
121	Unravelling charge carrier dynamics in protonated g-C ₃ N ₄ interfaced with carbon nanodots as co-catalysts toward enhanced photocatalytic CO ₂ reduction: A combined experimental and first-principles DFT study. Nano Research, 2017, 10, 1673-1696.	5.8	376
122	2D MoS ₂ /polyaniline heterostructures with enlarged interlayer spacing for superior lithium and sodium storage. Journal of Materials Chemistry A, 2017, 5, 5383-5389.	5.2	102
123	Halloysite clay nanotubes as effective nanocarriers for the adsorption and loading of vancomycin for sustained release. RSC Advances, 2017, 7, 21352-21359.	1.7	25
124	Effect of intervention initiation timing of pulsed electromagnetic field on ovariectomy-induced osteoporosis in rats. Bioelectromagnetics, 2017, 38, 456-465.	0.9	11
125	Pulsed electromagnetic field ameliorates cartilage degeneration by inhibiting mitogen-activated protein kinases in a rat model of osteoarthritis. Physical Therapy in Sport, 2017, 24, 32-38.	0.8	15
126	Nitrogen-doped Ti ₃ C ₂ T _x MXene electrodes for high-performance supercapacitors. Nano Energy, 2017, 38, 368-376.	8.2	528

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127	Evaluation of optical properties and chemical structure changes in enzymatic hydrolysis lignin during heat treatment. RSC Advances, 2017, 7, 20760-20765.	1.7	16
128	Observation of reduced phase transition temperature in N-doped thermochromic film of monoclinic VO ₂ . Applied Surface Science, 2017, 410, 363-372.	3.1	43
129	Bi ₂₄ Ga ₂ O ₃₉ for visible light photocatalytic reduction of Cr(VI): Controlled synthesis, facet-dependent activity and DFT study. Chemical Engineering Journal, 2017, 314, 249-256.	6.6	91
130	Understanding of Electrochemical Mechanisms for CO ₂ Capture and Conversion into Hydrocarbon Fuels in Transition-Metal Carbides (MXenes). ACS Nano, 2017, 11, 10825-10833.	7.3	359
131	Effects of combined treatment with ibandronate and pulsed electromagnetic field on ovariectomy-induced osteoporosis in rats. Bioelectromagnetics, 2017, 38, 31-40.	0.9	37
132	Uncovering a reconstructive solid-solid phase transition in a metal-organic framework. Royal Society Open Science, 2017, 4, 171355.	1.1	7
133	Preparation and Characterization of Outdoor Bamboo-Fiber-Reinforced Composites with Different Densities. BioResources, 2017, 12, .	0.5	20
134	Influence of Density on Properties of Compressed Weeping Willow (Salix babylonica) Wood Panels. Forest Products Journal, 2017, 67, 44-49.	0.2	3
135	Promising prospects for 2D d ² -d ⁴ M ₃ C ₂ transition metal carbides (MXenes) in N ₂ capture and conversion into ammonia. Energy and Environmental Science, 2016, 9, 2545-2549.	15.6	395
136	Role of Sodium Ion on TiO ₂ Photocatalyst: Influencing Crystallographic Properties or Serving as the Recombination Center of Charge Carriers?. Journal of Physical Chemistry C, 2016, 120, 10390-10399.	1.5	28
137	Electronic structure, mechanical and optical properties of TiAl ₃ (L1 ₂ & D0 ₂₂) via first-principles calculations. Chinese Journal of Physics, 2016, 54, 319-328.	2.0	9
138	Microtetrahedral Bi ₁₂ TiO ₂₀ /g-C ₃ N ₄ composite with enhanced visible light photocatalytic activity toward gaseous formaldehyde degradation: Facet coupling effect and mechanism study. Journal of Molecular Catalysis A, 2016, 424, 311-322.	4.8	43
139	Highly fluorescent Zn-doped carbon dots as Fenton reaction-based bio-sensors: an integrative experimental-theoretical consideration. Nanoscale, 2016, 8, 17919-17927.	2.8	141
140	Heteroatom-doped carbon dots: synthesis, characterization, properties, photoluminescence mechanism and biological applications. Journal of Materials Chemistry B, 2016, 4, 7204-7219.	2.9	396
141	Thermal expansion and crystallization behaviour of magnesium aluminosilicate glasses doped with neodymium ions. Journal of Commonwealth Law and Legal Education, 2016, 57, 153-157.	0.2	2
142	Room temperature synthesis of crystalline anatase TiO ₂ on bamboo timber surface and their short-term antifungal capability under natural weather conditions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 508, 117-123.	2.3	27
143	Establishing Antibacterial Multilayer Films on the Surface of Direct Metal Laser Sintered Titanium Primed with Phase-Transited Lysozyme. Scientific Reports, 2016, 6, 36408.	1.6	30
144	Proposing the prospects of Ti ₃ CN transition metal carbides (MXenes) as anodes of Li-ion batteries: a DFT study. Physical Chemistry Chemical Physics, 2016, 18, 32937-32943.	1.3	105

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