

Neng Li

List of Publications by Year in descending order

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papers

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190
all docs

190
docs citations

190
times ranked

13248
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Ammonia Synthesis via NO Reduction on 2D-MOF. ChemPhysChem, 2022, 23, .	2.1	16
2	Shedding light on the energy applications of emerging 2D hybrid organic-inorganic halide perovskites. IScience, 2022, 25, 103753.	4.1	9
3	Structural engineering of tin sulfides anchored on nitrogen/phosphorus dual-doped carbon nanofibres in sodium/potassium-ion batteries. Carbon, 2022, 189, 46-56.	10.3	86
4	Comprehending the stability of Sr ²⁺ immobilization in chemically bonded phosphate ceramic system: A mechanism study. Ceramics International, 2022, 48, 10209-10219.	4.8	2
5	A "Three-Region" Configuration for Enhanced Electrochemical Kinetics and High-Areal Capacity Lithium-Sulfur Batteries. Advanced Functional Materials, 2022, 32, .	14.9	52
6	Complex permittivity-dependent plasma confinement-assisted growth of asymmetric vertical graphene nanofiber membrane for high-performance Li-S full cells. Informa-Materially, 2022, 4, .	17.3	45
7	Weatherability of Bamboo Scrimber: Enhance in Photostability of Substrate and Coatings. Forests, 2022, 13, 467.	2.1	1
8	Facile Melting-Crystallization Synthesis of Cs ₂ NaAgInCl ₆ : Bi Double Perovskites for White Light-Emitting Diodes. Inorganic Chemistry, 2022, 61, 5040-5047.	4.0	10
9	A mild biomass pretreatment process with efficiency and specificity in co-solvent of γ -valerolactone and aqueous p-toluenesulfonic acid. Chemical Engineering Journal, 2022, 437, 135408.	12.7	38
10	Additive-mediated intercalation and surface modification of MXenes. Chemical Society Reviews, 2022, 51, 2972-2990.	38.1	101
11	Copper doped CoS _x @Co(OH) ₂ hierarchical mesoporous nanosheet arrays as binder-free electrodes for superior supercapacitors. Journal of Alloys and Compounds, 2022, 911, 165115.	5.5	18
12	First-Principles Calculations of Thermoelectric Transport Properties of Quaternary and Ternary Bulk Chalcogenide Crystals. Materials, 2022, 15, 2843.	2.9	14
13	MXenes: An emergent materials for packaging platforms and looking beyond. Nano Select, 2022, 3, 1123-1147.	3.7	9
14	Strategic design and fabrication of MXenes-Ti ₃ CNCl ₂ @CoS ₂ core-shell nanostructure for high-efficiency hydrogen evolution. Nano Research, 2022, 15, 5977-5986.	10.4	61
15	The deformation of short-range order leading to rearrangement of topological network structure in zeolitic imidazolate framework glasses. IScience, 2022, 25, 104351.	4.1	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. Chinese Journal of Catalysis, 2022, 43, 1906-1917.	14.0	29
17	Improving stability of MXenes. Nano Research, 2022, 15, 6551-6567.	10.4	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. Chemical Engineering Journal, 2022, 447, 137488.	12.7	62

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19	Photodegradation and Photostability of Bamboo: Recent Advances. ACS Omega, 2022, 7, 24041-24047.	3.5	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.	12.9	66
21	MXenes: An Emerging Platform for Wearable Electronics and Looking Beyond. Matter, 2021, 4, 377-407.	10.0	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.	4.4	15
23	Atomic-Scale Superlubricity in $\text{Ti}_2\text{CO}_2/\text{MoS}_2$ Layered Heterojunctions Interface: A First Principles Calculation Study. ACS Omega, 2021, 6, 9013-9019.	3.5	16
24	Highly Sensitive and Selective Gas Sensor Using Heteroatom Doping Graphdiyne: A DFT Study. Advanced Electronic Materials, 2021, 7, 2001244.	5.1	37
25	Uncovering the Phase Transition of Berlinite ($\pm\text{-AlPO}_4$) under High Pressure: Insights from First-principles Calculations. Journal Wuhan University of Technology, Materials Science Edition, 2021, 36, 248-254.	1.0	6
26	Hollow Co–Mo–Se nanosheet arrays derived from metal-organic framework for high-performance supercapacitors. Journal of Power Sources, 2021, 490, 229532.	7.8	79
27	Improving the Catalytic CO_2 Reduction on $\text{Cs}_2\text{AgBiBr}_6$ by Halide Defect Engineering: A DFT Study. Materials, 2021, 14, 2469.	2.9	13
28	Structural and physical properties of 99 complex bulk chalcogenides crystals using first-principles calculations. Scientific Reports, 2021, 11, 9921.	3.3	18
29	Facile Preparation of $\text{Zn}_2\text{V}_2\text{O}_7/\text{VO}_2$ Composite Films with Enhanced Thermochromic Properties for Smart Windows. ACS Applied Electronic Materials, 2021, 3, 2224-2232.	4.3	17
30	A flexible metallic TiC nanofiber/vertical graphene $1\text{D}/2\text{D}$ heterostructured as active electrocatalyst for advanced Li-S batteries. Information Materials, 2021, 3, 790-803.	17.3	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.	7.5	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.	3.5	1
33	Computational screening study of double transition metal carbonitrides $\text{M}^{2+}\text{CNO}_2\text{-MXene}$ as catalysts for hydrogen evolution reaction. Npj Computational Materials, 2021, 7, .	8.7	63
34	Towards high-performance all-solid-state asymmetric supercapacitors: A hierarchical doughnut-like $\text{Ni}_3\text{S}_2@\text{PPy}$ core-shell heterostructure on nickel foam electrode and density functional theory calculations. Journal of Power Sources, 2021, 501, 230003.	7.8	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.	14.0	43
36	Understanding the Mechanism of PbCl_2 Additive for MAPbI_3 -Based Perovskite Solar Cells. Advanced Photonics Research, 2021, 2, 2100012.	3.6	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. Applied Catalysis B: Environmental, 2021, 291, 120104.	20.2	258
38	Double Transition Metal Carbides MXenes (D-MXenes) as Promising Electrocatalysts for Hydrogen Reduction Reaction: <i>ab initio</i> Calculations. ACS Omega, 2021, 6, 23676-23682.	3.5	14
39	Control of Shape and Size in Iron Fluoride Porous Sub-Microspheres: Consequences for Steric Hindrance Interaction. Frontiers in Nanotechnology, 2021, 3, .	4.8	0
40	Rationally constructing CoO and CoSe ₂ hybrid with CNTs-graphene for impressively enhanced oxygen evolution and DFT calculations. Chemical Engineering Journal, 2021, 422, 129982.	12.7	33
41	A novel rare-earth luminescent coordination polymer showing potential semiconductor characteristic constructed by anthracene-based dicarboxylic acid ligand (H ₂ L). Journal of Molecular Structure, 2021, 1243, 130788.	3.6	5
42	Oxygen vacancy mediated step-scheme heterojunction of WO _{2.9} /g-C ₃ N ₄ for efficient electrochemical sensing of 4-nitrophenol. Chemical Engineering Journal Advances, 2021, 8, 100175.	5.2	9
43	Synthesis of furfural from xylan in γ -valerolactone/molten salt hydrate biphasic system. Chemical Engineering Journal, 2021, 425, 130608.	12.7	29
44	Intercalation engineering of MXenes towards highly efficient photo(electrocatalytic) hydrogen evolution reactions. Journal of Materials Chemistry A, 2021, 9, 24195-24214.	10.3	41
45	Mo ₂ C-MXene/CdS Heterostructures as Visible-Light Photocatalysts with an Ultrahigh Hydrogen Production Rate. ACS Applied Energy Materials, 2021, 4, 12754-12766.	5.1	42
46	Comprehensive Mechanism of CO ₂ Electroreduction on Non-Noble Metal Single-Atom Catalysts of Mo ₂ CS ₂ -MXene. Chemistry - A European Journal, 2021, 27, 17900-17909.	3.3	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. RSC Advances, 2021, 12, 869-873.	3.6	1
48	Uncovering the electrochemical mechanisms for hydrogen evolution reaction of heteroatom doped M ₂ C MXene (M = Ti, Mo). Applied Surface Science, 2020, 500, 143987.	6.1	93
49	Atomic occupancy mechanism in brownmillerite Ca ₂ FeAlO ₅ from a thermodynamic perspective. Journal of the American Ceramic Society, 2020, 103, 635-644.	3.8	15
50	Reliable and selective lead-ion sensor of sulfur-doped graphitic carbon nitride nanoflakes. Applied Surface Science, 2020, 506, 144672.	6.1	37
51	Evaluation of biochar properties exposing to solar radiation: A promotion on surface activities. Chemical Engineering Journal, 2020, 384, 123353.	12.7	13
52	Understanding hydrogen bonding in calcium silicate hydrate combining solid-state NMR and first principle calculations. Construction and Building Materials, 2020, 233, 117347.	7.2	19
53	Probing the active sites of site-specific nitrogen doping in metal-free graphdiyne for electrochemical oxygen reduction reactions. Science Bulletin, 2020, 65, 45-54.	9.0	52
54	Integrating 2D/2D CdS/Fe ₂ O ₃ ultrathin bilayer Z-scheme heterojunction with metallic γ -NiS nanosheet-based ohmic-junction for efficient photocatalytic H ₂ evolution. Applied Catalysis B: Environmental, 2020, 266, 118619.	20.2	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.	7.5	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.	1.0	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.	10.3	70
58	Single-Metal Atoms Supported on MBenes for Robust Electrochemical Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9261-9267.	8.0	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.	2.8	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.	10.3	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.	3.1	6
62	Unraveling the electronic structure, mechanical, and dielectric properties of ZnPurBr-MOF: <i>Ab initio</i> calculations. <i>APL Materials</i> , 2020, 8, .	5.1	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.	5.0	35
64	Pb-Based Halide Perovskites: Recent Advances in Photo(electro)catalytic Applications and Looking Beyond. <i>Advanced Functional Materials</i> , 2020, 30, 1909667.	14.9	77
65	Atomic-level insights into the influence of zinc incorporation on clinker hydration reactivity. <i>Open Ceramics</i> , 2020, 1, 100004.	2.0	6
66	Photogenerated Electron Transfer Process in Heterojunctions: In Situ Irradiation XPS. <i>Small Methods</i> , 2020, 4, 2000214.	8.6	129
67	A MoS ₂ @SnS heterostructure for sodium-ion storage with enhanced kinetics. <i>Nanoscale</i> , 2020, 12, 14689-14698.	5.6	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.	2.3	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.	19.5	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.	5.2	26
71	Surface oxygen vacancies promoted photodegradation of benzene on TiO ₂ film. <i>Applied Surface Science</i> , 2020, 511, 145597.	6.1	60
72	Facile synthesis of CuS/MXene nanocomposites for efficient photocatalytic hydrogen generation. <i>CrystEngComm</i> , 2020, 22, 2060-2066.	2.6	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.	5.7	46
74	Cesium immobilization by K-struvite crystal in aqueous solution: Ab initio calculations and experiments. Journal of Hazardous Materials, 2020, 387, 121872.	12.4	16
75	Highly green fluorescent Nb ₂ C MXene quantum dots. Chemical Communications, 2020, 56, 6648-6651.	4.1	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.	3.6	10
77	N-terminal region of Helicobacter pylori CagA induces IL-8 production in gastric epithelial cells via the I α 1 integrin receptor. Journal of Medical Microbiology, 2020, 69, 457-464.	1.8	9
78	Synergistic additive-mediated CVD growth and chemical modification of 2D materials. Chemical Society Reviews, 2019, 48, 4639-4654.	38.1	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.	7.2	21
80	Highly fluorescent Ti ₃ C ₂ MXene quantum dots for macrophage labeling and Cu ²⁺ ion sensing. Nanoscale, 2019, 11, 14123-14133.	5.6	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, .	2.5	19
82	2020 Roadmap on two-dimensional nanomaterials for environmental catalysis. Chinese Chemical Letters, 2019, 30, 2065-2088.	9.0	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.	3.1	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.	5.1	62
85	Photostabilizing Efficiency of Acrylic-based Bamboo Exterior Coatings Combining Benzotriazole and Zinc Oxide Nanoparticles. Coatings, 2019, 9, 533.	2.6	12
86	Red/orange dual-emissive carbon dots for pH sensing and cell imaging. Nano Research, 2019, 12, 815-821.	10.4	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.	4.3	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.	9.3	33
89	Improvement of surface photostability of bamboo scrimber by application of organic UV absorber coatings. Journal of Wood Science, 2019, 65, .	1.9	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.	2.0	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.	6.7	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.	3.8	19
93	A Note on the Surface Deterioration of Scrimber Composites Exposed to Artificial Ageing. <i>Coatings</i> , 2019, 9, 846.	2.6	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.	10.3	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.	6.1	64
96	Progress in additive manufacturing on new materials: A review. <i>Journal of Materials Science and Technology</i> , 2019, 35, 242-269.	10.7	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.	3.8	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.	4.7	37
99	Surface and Heterointerface Engineering of 2D MXenes and Their Nanocomposites: Insights into Electro- and Photocatalysis. <i>CheM</i> , 2019, 5, 18-50.	11.7	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.	11.0	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.	5.0	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.	10.4	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.	3.8	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.	2.9	27
105	Electroacupuncture Ameliorates Subchondral Bone Deterioration and Inhibits Cartilage Degeneration in Ovariectomised Rats. <i>Acupuncture in Medicine</i> , 2018, 36, 37-43.	1.0	12
106	Photocatalytic fixation of nitrogen to ammonia: state-of-the-art advancements and future prospects. <i>Materials Horizons</i> , 2018, 5, 9-27.	12.2	586
107	The rising star of 2D black phosphorus beyond graphene: synthesis, properties and electronic applications. <i>2D Materials</i> , 2018, 5, 014002.	4.4	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.	2.8	21

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109	Frontispiece: Insights into the Electrocatalytic Hydrogen Evolution Reaction Mechanism on Twoâ€Dimensional Transitionâ€Metal Carbonitrides (MXene). Chemistry - A European Journal, 2018, 24, .	3.3	0
110	Two-dimensional quantum dots: Fundamentals, photoluminescence mechanism and their energy and environmental applications. Materials Today Energy, 2018, 10, 222-240.	4.7	87
111	Insights into the Electrocatalytic Hydrogen Evolution Reaction Mechanism on Twoâ€Dimensional Transitionâ€Metal Carbonitrides (MXene). Chemistry - A European Journal, 2018, 24, 18479-18486.	3.3	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.	3.8	14
113	Multi-functional Ni₃C cocatalyst/g-C₃N₄ nanoheterojunctions for robust photocatalytic H₂ evolution under visible light. Journal of Materials Chemistry A, 2018, 6, 13110-13122.	10.3	241
114	High photoluminescence quantum yield of 18.7% by using nitrogen-doped Ti₃C₂ MXene quantum dots. Journal of Materials Chemistry C, 2018, 6, 6360-6369.	5.5	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.	1.8	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.	3.9	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.	10.3	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.	5.2	41
119	A simple solution-phase route for room-temperature synthesis of mesoporous and nanocrystalline anatase TiO2. Inorganic and Nano-Metal Chemistry, 2017, 47, 158-161.	1.6	1
120	Tuning and Locking the Localized Surface Plasmon Resonances of CuS (Covellite) Nanocrystals by an Amorphous CuPd_{<i>x</i>}S Shell. Chemistry of Materials, 2017, 29, 1716-1723.	6.7	50
121	Unravelling charge carrier dynamics in protonated g-C3N4 interfaced with carbon nanodots as co-catalysts toward enhanced photocatalytic CO2 reduction: A combined experimental and first-principles DFT study. Nano Research, 2017, 10, 1673-1696.	10.4	376
122	2D MoS₂/polyaniline heterostructures with enlarged interlayer spacing for superior lithium and sodium storage. Journal of Materials Chemistry A, 2017, 5, 5383-5389.	10.3	102
123	Halloysite clay nanotubes as effective nanocarriers for the adsorption and loading of vancomycin for sustained release. RSC Advances, 2017, 7, 21352-21359.	3.6	25
124	Effect of intervention initiation timing of pulsed electromagnetic field on ovariectomyâ€induced osteoporosis in rats. Bioelectromagnetics, 2017, 38, 456-465.	1.6	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.	1.9	15
126	Nitrogen-doped Ti 3 C 2 T x MXene electrodes for high-performance supercapacitors. Nano Energy, 2017, 38, 368-376.	16.0	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.	3.6	16
128	Observation of reduced phase transition temperature in N-doped thermochromic film of monoclinic VO ₂ . Applied Surface Science, 2017, 410, 363-372.	6.1	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.	12.7	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.	14.6	359
131	Effects of combined treatment with ibandronate and pulsed electromagnetic field on ovariectomy-induced osteoporosis in rats. Bioelectromagnetics, 2017, 38, 31-40.	1.6	37
132	Uncovering a reconstructive solid-solid phase transition in a metal-organic framework. Royal Society Open Science, 2017, 4, 171355.	2.4	7
133	Preparation and Characterization of Outdoor Bamboo-Fiber-Reinforced Composites with Different Densities. BioResources, 2017, 12, .	1.0	20
134	Influence of Density on Properties of Compressed Weeping Willow (Salix babylonica) Wood Panels. Forest Products Journal, 2017, 67, 44-49.	0.4	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.	30.8	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.	3.1	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.	3.9	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.	5.6	141
140	Heteroatom-doped carbon dots: synthesis, characterization, properties, photoluminescence mechanism and biological applications. Journal of Materials Chemistry B, 2016, 4, 7204-7219.	5.8	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.	0.5	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.	4.7	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.	3.3	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.	2.8	105

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145	Fabrication and band engineering of Cu-doped CdSe _{0.6} Te _{0.4} -alloyed quantum dots for solar cells. Solar Energy Materials and Solar Cells, 2016, 157, 161-170.	6.2	18
146	Structure and Electronic Properties of a Continuous Random Network Model of an Amorphous Zeolitic Imidazolate Framework (a-ZIF). Journal of Physical Chemistry C, 2016, 120, 15362-15368.	3.1	60
147	Facile synthesis of copper doped carbon dots and their application as a "turn-off" fluorescent probe in the detection of Fe ³⁺ ions. RSC Advances, 2016, 6, 28745-28750.	3.6	75
148	Optimization of Water Pumping and Injection for Underground Coal Gasification in the Meiguqing Mine, China. Mine Water and the Environment, 2016, 35, 398-404.	2.0	1
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