

# Mingzhu Xia

## List of Publications by Year in descending order

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124  
papers

4,243  
citations

87886

38  
h-index

133244

59  
g-index

127  
all docs

127  
docs citations

127  
times ranked

3354  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrodeposition of graphene oxide doped poly(3,4-ethylenedioxythiophene) film and its electrochemical sensing of catechol and hydroquinone. <i>Electrochimica Acta</i> , 2012, 85, 295-301.	5.2	187
2	New insights into the capture performance and mechanism of hazardous metals Cr <sup>3+</sup> and Cd <sup>2+</sup> onto an effective layered double hydroxide based material. <i>Journal of Hazardous Materials</i> , 2022, 426, 128062.	12.4	155
3	Peroxymonosulfate activation through 2D/2D Z-scheme CoAl-LDH/BiOBr photocatalyst under visible light for ciprofloxacin degradation. <i>Journal of Hazardous Materials</i> , 2021, 420, 126613.	12.4	150
4	Adsorption and Desorption of Pb(II) on L-Lysine Modified Montmorillonite and the simulation of Interlayer Structure. <i>Applied Clay Science</i> , 2019, 169, 40-47.	5.2	149
5	Rapid removal of toxic metals Cu <sup>2+</sup> and Pb <sup>2+</sup> by amino trimethylene phosphonic acid intercalated layered double hydroxide: A combined experimental and DFT study. <i>Chemical Engineering Journal</i> , 2020, 392, 123711.	12.7	147
6	Electrochemical sensing of acetaminophen based on poly(3,4-ethylenedioxythiophene)/graphene oxide composites. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 823-829.	7.8	120
7	Adsorption properties, kinetics & thermodynamics of tetracycline on carboxymethyl-chitosan reformed montmorillonite. <i>International Journal of Biological Macromolecules</i> , 2019, 124, 557-567.	7.5	119
8	Rapid and efficient removal of diclofenac sodium from aqueous solution via ternary core-shell CS@PANI@LDH composite: Experimental and adsorption mechanism study. <i>Journal of Hazardous Materials</i> , 2021, 402, 123815.	12.4	113
9	In-Depth Study of Heavy Metal Removal by an Etidronic Acid-Functionalized Layered Double Hydroxide. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 7450-7463.	8.0	107
10	Exploration of adsorption mechanism of 2-phosphonobutane-1,2,4-tricarboxylic acid onto kaolinite and montmorillonite via batch experiment and theoretical studies. <i>Journal of Hazardous Materials</i> , 2021, 403, 123810.	12.4	94
11	Electrochemical determination of 4-nitrophenol at polycarbazole/N-doped graphene modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2014, 146, 568-576.	5.2	84
12	Selective sensing of catechol and hydroquinone based on poly(3,4-ethylenedioxythiophene)/nitrogen-doped graphene composites. <i>Sensors and Actuators B: Chemical</i> , 2014, 199, 154-160.	7.8	72
13	Under vacuum synthesis of type-I heterojunction between red phosphorus and graphene like carbon nitride with enhanced catalytic, electrochemical and charge separation ability for photodegradation of an acute toxicity category-III compound. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 568-575.	20.2	68
14	The single/co-adsorption characteristics and microscopic adsorption mechanism of biochar-montmorillonite composite adsorbent for pharmaceutical emerging organic contaminant atenolol and lead ions. <i>Ecotoxicology and Environmental Safety</i> , 2020, 187, 109763.	6.0	67
15	A new alendronate doped HAP nanomaterial for Pb <sup>2+</sup> , Cu <sup>2+</sup> and Cd <sup>2+</sup> effect absorption. <i>Journal of Hazardous Materials</i> , 2020, 400, 123143.	12.4	65
16	Three-dimension hierarchical composite via in-situ growth of Zn/Al layered double hydroxide plates onto polyaniline-wrapped carbon sphere for efficient naproxen removal. <i>Journal of Hazardous Materials</i> , 2022, 423, 127192.	12.4	65
17	Effective adsorption of heavy metal ions by sodium lignosulfonate reformed montmorillonite. <i>International Journal of Biological Macromolecules</i> , 2019, 138, 188-197.	7.5	63
18	Peroxymonosulfate-assisted for facilitating photocatalytic degradation performance of 2D/2D WO <sub>3</sub> /BiOBr S-scheme heterojunction. <i>Chemical Engineering Journal</i> , 2022, 430, 132806.	12.7	61

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19	Phytic acid-doped polyaniline nanofibers-clay mineral for efficient adsorption of copper (II) ions. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 688-698.	9.4	57
20	Novel multi amine-containing Gemini surfactant modified montmorillonite as adsorbents for removal of phenols. <i>Applied Clay Science</i> , 2018, 162, 204-213.	5.2	54
21	Kinetics and equilibrium isotherms of adsorption of Pb(II) and Cu(II) onto raw and arginine-modified montmorillonite. <i>Advanced Powder Technology</i> , 2019, 30, 1067-1078.	4.1	53
22	Facile one-step economical methodology of metal free g-C <sub>3</sub> N <sub>4</sub> synthesis with remarkable photocatalytic performance under visible light to degrade trans-resveratrol. <i>Journal of Hazardous Materials</i> , 2019, 367, 293-303.	12.4	53
23	Fabrication of polypyrrole-grafted nitrogen-doped graphene and its application for electrochemical detection of paraquat. <i>Electrochimica Acta</i> , 2015, 174, 464-471.	5.2	52
24	Mesoporous CuS nanospheres decorated rGO aerogel for high photocatalytic activity towards Cr(VI) and organic pollutants. <i>Chemosphere</i> , 2020, 246, 125846.	8.2	52
25	A study of the solvent effect on the morphology of RDX crystal by molecular modeling method. <i>Journal of Molecular Modeling</i> , 2013, 19, 5397-5406.	1.8	51
26	Molecular dynamics study of polyether polyamino methylene phosphonates as an inhibitor of anhydrite crystal. <i>Desalination</i> , 2013, 322, 137-143.	8.2	51
27	Porous P, Fe-doped g-C <sub>3</sub> N <sub>4</sub> nanostructure with enhanced photo-Fenton activity for removal of tetracycline hydrochloride: Mechanism insight, DFT calculation and degradation pathways. <i>Chemosphere</i> , 2022, 291, 133039.	8.2	50
28	Investigation of the efficient adsorption performance and adsorption mechanism of 3D composite structure La nanosphere-coated Mn/Fe layered double hydroxide on phosphate. <i>Journal of Colloid and Interface Science</i> , 2022, 614, 478-488.	9.4	50
29	Solvent effect on the crystal morphology of 2,6-diamino-3,5-dinitropyridine-1-oxide: A molecular dynamics simulation study. <i>Journal of Molecular Graphics and Modelling</i> , 2014, 50, 71-77.	2.4	47
30	Uncovering Structure-Reactivity Relationships in Pyrolysis and Gasification of Biomass with Varying Severity of Torrefaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6008-6017.	6.7	45
31	Mechanism of carboxymethyl chitosan hybrid montmorillonite and adsorption of Pb(II) and Congo red by CMC-MMT organic-inorganic hybrid composite. <i>International Journal of Biological Macromolecules</i> , 2020, 149, 1161-1169.	7.5	45
32	Nitrogen-doped graphene modified electrode for nimodipine sensing. <i>Sensors and Actuators B: Chemical</i> , 2015, 212, 207-213.	7.8	44
33	A study of the solvent effect on the crystal morphology of hexogen by means of molecular dynamics simulations. <i>RSC Advances</i> , 2015, 5, 25581-25589.	3.6	43
34	Encapsulating nano rods of copper-biphenylamines framework on g-C <sub>3</sub> N <sub>4</sub> photocatalysts for visible-light-driven organic dyes degradation: promoting charge separation efficiency. <i>Catalysis Science and Technology</i> , 2017, 7, 3017-3026.	4.1	43
35	Facile immobilization of ethylenediamine tetramethylene-phosphonic acid into UiO-66 for toxic divalent heavy metal ions removal: An experimental and theoretical exploration. <i>Science of the Total Environment</i> , 2022, 806, 150652.	8.0	43
36	Facile synthesis of protonated g-C <sub>3</sub> N <sub>4</sub> and acid-activated montmorillonite composite with efficient adsorption capacity for PO <sub>4</sub> <sup>3-</sup> and Pb(II). <i>Chemical Engineering Research and Design</i> , 2019, 152, 95-105.	5.6	42

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37	The facile synthesis of zoledronate functionalized hydroxyapatite amorphous hybrid nanobiomaterial and its excellent removal performance on Pb <sup>2+</sup> and Cu <sup>2+</sup> . <i>Journal of Hazardous Materials</i> , 2020, 392, 122291.	12.4	42
38	Prediction of Crystal Morphology of Cyclotrimethylene Trinitramine in the Solvent Medium by Computer Simulation: A Case of Cyclohexanone Solvent. <i>Journal of Physical Chemistry A</i> , 2014, 118, 11471-11478.	2.5	40
39	Simultaneous electrochemical sensing of hydroquinone and catechol using nanocomposite based on palygorskite and nitrogen doped graphene. <i>Applied Clay Science</i> , 2018, 162, 38-45.	5.2	40
40	Synthesis and micro-mechanistic studies of histidine modified montmorillonite for lead(II) and copper(II) adsorption from wastewater. <i>Chemical Engineering Research and Design</i> , 2020, 157, 142-152.	5.6	38
41	Water decontamination by 3D graphene based materials: A review. <i>Journal of Water Process Engineering</i> , 2020, 36, 101404.	5.6	37
42	Synthesis of environmentally encouraged, highly robust pollutants reduction 3-D system consisting of Ag/g-C <sub>3</sub> N <sub>4</sub> and Cu-complex to degrade refractory pollutants. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 826-836.	3.9	34
43	Preparation of hierarchically floral ZIF-8 derived carbon@polyaniline@Ni/Al layered double hydroxides composite with outstanding removal phenomenon for saccharin. <i>Chemical Engineering Journal</i> , 2022, 450, 138127.	12.7	34
44	Molecular modeling of several phosphonates onto the stepped calcite (011) surface. <i>Desalination</i> , 2013, 309, 208-212.	8.2	33
45	Molecular dynamics simulations of the binding affinity of 1-hydroxyethane-1, 1-diphosphonic acid (HEDP) with nano-hydroxyapatite and the uptake of Cu <sup>2+</sup> by HEDP-HAP hybrid systems. <i>Journal of Hazardous Materials</i> , 2020, 383, 121206.	12.4	33
46	Construction and evaluation of a novel three-electrode capacitive deionization system with high desalination performance. <i>Separation and Purification Technology</i> , 2021, 273, 118976.	7.9	33
47	Enhanced photo-electrochemical, photo-degradation and charge separation ability of graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) by self-type metal free heterojunction formation for antibiotic degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 348, 118-124.	3.9	31
48	Sensitization of TiO <sub>2</sub> nanosheets with Cu <sup>2+</sup> -biphenylamine framework to enhance photocatalytic degradation performance of toxic organic contaminants: synthesis, mechanism and kinetic studies. <i>Nanotechnology</i> , 2018, 29, 375605.	2.6	31
49	A novel non-enzyme amperometric platform based on poly(3-methylthiophene)/nitrogen doped graphene modified electrode for determination of trace amounts of pesticide phoxim. <i>Sensors and Actuators B: Chemical</i> , 2015, 206, 495-501.	7.8	30
50	Microstructural modification of organo-montmorillonite with Gemini surfactant containing four ammonium cations: molecular dynamics (MD) simulations and adsorption capacity for copper ions. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 3585-3594.	3.2	30
51	Efficient preparation and molecular dynamic (MD) simulations of Gemini surfactant modified layered montmorillonite to potentially remove emerging organic contaminants from wastewater. <i>Ceramics International</i> , 2019, 45, 10782-10791.	4.8	30
52	High performance of phytic acid-functionalized spherical poly-phenylglycine particles for removal of heavy metal ions. <i>Applied Surface Science</i> , 2020, 518, 146206.	6.1	28
53	Methionine-montmorillonite composite – A novel material for efficient adsorption of lead ions. <i>Advanced Powder Technology</i> , 2020, 31, 708-717.	4.1	27
54	Microscopic adsorption mechanism of montmorillonite for common ciprofloxacin emerging contaminant: Molecular dynamics simulation and Multiwfn wave function analysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 614, 126186.	4.7	27

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55	Enhanced degradation of chloramphenicol through peroxymonosulfate and visible light over Z-scheme Photocatalysts: Synergetic performance and mechanism insights. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 322-333.	9.4	27
56	Determination of trace uric acid in serum using porous graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) as a fluorescent probe. <i>Mikrochimica Acta</i> , 2018, 185, 39.	5.0	26
57	Efficient absorption properties of surface grafted HEDP-HAP composites for Pb <sup>2+</sup> and Cu <sup>2+</sup> : Experimental study and visualization study of interaction based on Becke surface analysis and independent gradient model. <i>Journal of Hazardous Materials</i> , 2021, 401, 123748.	12.4	26
58	Efficient and stable ZrO <sub>2</sub> /Fe modified hollow-C <sub>3</sub> N <sub>4</sub> for photodegradation of the herbicide MTSM. <i>RSC Advances</i> , 2017, 7, 3966-3974.	3.6	25
59	Adsorption Properties of Pb <sup>2+</sup> by Amino Group's Functionalized Montmorillonite from Aqueous Solutions. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 2940-2949.	1.9	25
60	Adsorption of two $\hat{I}^2$ -blocker pollutants on modified montmorillonite with environment-friendly cationic surfactant containing amide group: Batch adsorption experiments and Multiwfn wave function analysis. <i>Journal of Colloid and Interface Science</i> , 2021, 590, 601-613.	9.4	25
61	Modeling the interaction of seven bisphosphonates with the hydroxyapatite(100) face. <i>Journal of Molecular Modeling</i> , 2012, 18, 4007-4012.	1.8	24
62	Design and synthesis of biodegradable antiscalant based on MD simulation of antiscaling mechanism: A case of itaconic acid-epoxysuccinate copolymer. <i>Computational Materials Science</i> , 2017, 136, 118-125.	3.0	23
63	Facile hydrothermal synthesis of magnetic adsorbent CoFe <sub>2</sub> O <sub>4</sub> /MMT to eliminate antibiotics in aqueous phase: tetracycline and ciprofloxacin. <i>Environmental Science and Pollution Research</i> , 2019, 26, 215-226.	5.3	23
64	Cu <sub>2</sub> O/MoS <sub>2</sub> composites: a novel photocatalyst for photocatalytic degradation of organic dyes under visible light. <i>Ionics</i> , 2020, 26, 6359-6369.	2.4	23
65	Facile solvothermal synthesis of a high-efficiency CNNs/Ag/AgCl plasmonic photocatalyst. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 27257-27264.	2.8	22
66	The synergistic effect and microscopic mechanism of co-adsorption of three emerging contaminants and copper ion on gemini surfactant modified montmorillonite. <i>Ecotoxicology and Environmental Safety</i> , 2019, 184, 109610.	6.0	22
67	Molecular dynamics investigation of the effect of solvent adsorption on crystal habits of hexogen. <i>Canadian Journal of Chemistry</i> , 2014, 92, 849-854.	1.1	21
68	Sensitive and Selective Detection of Imidacloprid by Graphene-Oxide-Modified Glassy Carbon Electrode. <i>ChemElectroChem</i> , 2014, 1, 1063-1067.	3.4	20
69	Theoretical studies on vicinal-tetrazine compounds: furoxano-1,2,3,4-tetrazine-1,3,5-trioxide (FTTO- $\hat{I}^{\pm}$ ) and furoxano-1,2,3,4-tetrazine-1,3,7-trioxide (FTTO- $\hat{I}^2$ ). <i>Journal of Molecular Modeling</i> , 2014, 20, 2516.	1.8	20
70	Crystal morphology prediction of 1,3,3-trinitroazetidine in ethanol solvent by molecular dynamics simulation. <i>Journal of Molecular Graphics and Modelling</i> , 2016, 64, 94-100.	2.4	20
71	Experimental and theoretical study on the adsorption mechanism of Amino trimethylphosphate (ATMP) functionalized hydroxyapatite on Pb (II) and Cd (II). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 626, 127029.	4.7	20
72	Theoretical studies on a new high energy density compound 6-amino-7-nitropyrazino[2,3-e][1,2,3,4]tetrazine 1,3,5-trioxide (ANPTTO). <i>Journal of Molecular Modeling</i> , 2014, 20, 2261.	1.8	19

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73	Erection of duct-like graphitic carbon nitride with enhanced photocatalytic activity for ACB photodegradation. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 065501.	2.8	19
74	Adsorption properties and mechanism of montmorillonite modified by two Gemini surfactants with different chain lengths for three benzotriazole emerging contaminants: Experimental and theoretical study. <i>Applied Clay Science</i> , 2021, 207, 106086.	5.2	19
75	Design of Graphene Nanoplatelet/Graphitic Carbon Nitride Heterojunctions by Vacuum Tube with Enhanced Photocatalytic and Electrochemical Response. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1726-1732.	2.0	18
76	Preparation of g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> /BiVO <sub>4</sub> composite and its application in photocatalytic degradation of pollutant from TATB production under visible light irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 358, 246-255.	3.9	18
77	Facile synthesis of CNS/TNS sensitized with Cu biphenylamine frameworks for remarkable photocatalytic activity for organic pollutants degradation and bacterial inactivation. <i>Solar Energy</i> , 2019, 186, 204-214.	6.1	18
78	The adsorption performance and micro-mechanism of MoS <sub>2</sub> /montmorillonite composite to atenolol and acebutolol: Adsorption experiments and a novel visual study of interaction. <i>Ecotoxicology and Environmental Safety</i> , 2021, 213, 111993.	6.0	18
79	Fast Electrochemical Determination of Imidacloprid at an Activated Glassy Carbon Electrode. <i>Journal of the Electrochemical Society</i> , 2014, 161, B9-B13.	2.9	17
80	Controllable synthesis of flower-root shaped Bi <sub>2</sub> O <sub>3</sub> /Bi <sub>2</sub> MoO <sub>6</sub> heterostructures as an efficient photocatalyst under visible light irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 372, 78-88.	3.9	17
81	The interaction and mechanism between threonine-montmorillonite composite and Pb <sup>2+</sup> or Cu <sup>2+</sup> : Experimental study and theory calculation. <i>Journal of Molecular Liquids</i> , 2021, 326, 115243.	4.9	17
82	The enhanced adsorption of Ampicillin and Amoxicillin on modified montmorillonite with dodecyl dimethyl benzyl ammonium chloride: Experimental study and density functional theory calculation. <i>Advanced Powder Technology</i> , 2021, 32, 3465-3475.	4.1	17
83	Construction of a Z-scheme 1D/2D Fe <sub>3</sub> O <sub>8</sub> /g-C <sub>3</sub> N <sub>4</sub> composite for ibuprofen degradation: mechanism insight, theoretical calculation and degradation pathway. <i>Catalysis Science and Technology</i> , 2021, 11, 3466-3480.	4.1	17
84	Tyrosine-Immobilized Montmorillonite: An Efficient Adsorbent for Removal of Pb <sup>2+</sup> and Cu <sup>2+</sup> from Aqueous Solution. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 3535-3546.	1.9	16
85	Electrochemical Polymerization and Properties of Poly(triphenylene), an Excellent Blue-Green-Light Emitter. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9608-9617.	3.1	15
86	Fe-ZrO <sub>2</sub> imbedded graphene like carbon nitride for acarbose (ACB) photo-degradation intermediate study. <i>Advanced Powder Technology</i> , 2018, 29, 3233-3240.	4.1	15
87	The Adsorption Mechanism of Montmorillonite for Different Tetracycline Species at Different pH Conditions: the Novel Visual Analysis of Intermolecular Interactions. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	2.4	14
88	An efficient Two-Chamber Electrodeposition-Electrodialysis combination craft for nickel recovery and phosphorus removal from spent electroless nickel plating bath. <i>Separation and Purification Technology</i> , 2022, 295, 121283.	7.9	14
89	Boron-doped graphene for fast electrochemical detection of HMX explosive. <i>Electrochimica Acta</i> , 2016, 216, 219-227.	5.2	13
90	Efficient detection for Nitrofurazone based on novel Ag <sub>2</sub> S QDs/g-C <sub>3</sub> N <sub>4</sub> fluorescent probe. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 269, 120727.	3.9	13

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91	A facile synthesis of ibandronate modified hydroxyapatite renewable nanomaterials for simultaneous removal of Cu <sup>2+</sup> /Pb <sup>2+</sup> and chlortetracycline: Experimental design and adsorption mechanism study. <i>Journal of Cleaner Production</i> , 2022, 361, 132173.	9.3	11
92	The highly specific detection and mechanism of Cu-MOF-74 fluorescent probe to amino trimethylene phosphonic acid: Experimental study and theoretical calculation of quantum chemistry. <i>Journal of Molecular Liquids</i> , 2021, 341, 117442.	4.9	10
93	A theoretical study of the inhibition effect of PAMAM molecule on silica scale. <i>Journal of Molecular Modeling</i> , 2017, 23, 32.	1.8	9
94	High-quality poly (N-phenyl-2-naphthylamine) films: Electrosynthesis and fluorescent properties. <i>Materials Letters</i> , 2010, 64, 2211-2214.	2.6	8
95	High-quality and excellent green-light-emitting poly(acenaphthylene) film: electrosynthesis and characterization. <i>Polymer Chemistry</i> , 2011, 2, 1085-1090.	3.9	8
96	Theoretical studies of the structure, stability, and detonation properties of vicinal-tetrazine 1,3-dioxide annulated with a five-membered heterocycle. 1. Annulation with a triazole ring. <i>Journal of Molecular Modeling</i> , 2015, 21, 201.	1.8	8
97	A sensitive electrochemical sensor based on polypyrrole/electrochemically reduced graphene oxide for the determination of imidacloprid. <i>Journal of Electrochemical Science and Engineering</i> , 2019, 9, 143-152.	3.5	8
98	The enhanced photocatalytic activity of ultrasonic spray reduction of silver nanoclusters over lamellar graphite carbon nitride: Interface reaction, theoretical calculation and degradation pathway. <i>Advanced Powder Technology</i> , 2021, 32, 1641-1652.	4.1	8
99	The removal of benzothiazole by combined inorgano-organo-montmorillonite modified with hydroxyl iron pillar and cationic panthenol intercalation: Experimental study and Multiwfn wavefunction analysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 626, 127025.	4.7	8
100	Facile electrosynthesis of poly (pyrene-1-sulfonic acid sodium salt) film: A good candidate for blue light-emitting diodes applications. <i>Materials Letters</i> , 2011, 65, 1234-1237.	2.6	7
101	Theoretical study of solvent effects on RDX crystal quality and sensitivity using an implicit solvation model. <i>Journal of Molecular Modeling</i> , 2014, 20, 2326.	1.8	7
102	Theoretical studies on a new furazan compound bis[4-nitramino-furazanyl-3-azoxy]azofurazan (ADNAAF). <i>Journal of Molecular Modeling</i> , 2016, 22, 129.	1.8	7
103	Computational investigation of the properties of double furazan-based and furoxan-based energetic materials. <i>Journal of Molecular Modeling</i> , 2016, 22, 268.	1.8	6
104	Synthesis and Mechanism of Adsorption Capacity of Modified Montmorillonite with Amino Acids for 4-Acetaminophenol Removal from Wastewaters. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 5900-5909.	1.9	6
105	The ratiometric detection and mechanism of three typical phosphonates by quercetin-based fluorescent probe with low detection limits. <i>Journal of Luminescence</i> , 2021, 231, 117778.	3.1	6
106	Preparation of spherical filler-like ZnFe <sub>2</sub> O <sub>4</sub> /Bi <sub>2</sub> MoO <sub>6</sub> surrounded by nanosheets and its photocatalytic applications. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 2077-2084.	2.2	6
107	The adsorption and mechanism of benzothiazole and 2-hydroxybenzothiazole onto a novel ampholytic surfactant modified montmorillonite: Experimental and theoretical study. <i>Advanced Powder Technology</i> , 2021, 32, 1219-1232.	4.1	6
108	Simultaneous determination of riboflavin and chloramphenicol by MoS <sub>2</sub> nanosheets decorated three-dimensional porous carbon: Reaction mechanism insights by computational simulation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 628, 127291.	4.7	6

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109	Theoretical studies of the structure, stability, and detonation properties of vicinal-tetrazine 1,3-dioxide annulated with a five-membered heterocycle. 2. Annulation with a pyrazole ring. <i>Journal of Molecular Modeling</i> , 2015, 21, 269.	1.8	5
110	The uptake performance and microscopic mechanism of inorganic-organic phosphorus hybrid amorphous hydroxyapatite for multiple heavy metal ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 640, 128384.	4.7	5
111	Synthesis and theoretical prediction of detonation properties of 3-azido-4-[(4-nitrofurazan-3-yl)-ONN-azoxy]furazan. <i>Chemistry of Heterocyclic Compounds</i> , 2015, 51, 760-762.	1.2	4
112	Ultrathin nanosheets of graphitic carbon nitride heterojunction with flower like Bi <sub>2</sub> O <sub>3</sub> for photodegradation of organic pollutants. <i>Materials Research Express</i> , 2018, 5, 055030.	1.6	4
113	Synthesis and characterisation of (Fe, Co, Ni)-polyoxometalates to degrade O, O-diethyl-S-(p-tolyl) phosphorothioate under visible light irradiation. <i>International Journal of Environmental Analytical Chemistry</i> , 2020, 100, 1376-1389.	3.3	4
114	Facile synthesis of rock-like Ag <sub>2</sub> ZrO <sub>3</sub> decorated with TiO <sub>2</sub> nanoparticles heterostructures with highly enhanced visible-light photocatalytic properties. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	4
115	Synthesis and theoretical studies on nitrogen-rich salts of bis[4-nitraminofurazanyl-3-azoxy]azofurazan (ADNAAF). <i>Journal of Molecular Modeling</i> , 2017, 23, 12.	1.8	3
116	A novel LaFeO <sub>3</sub> catalyst synthesized from sodium diethylenetriamine pentamethylene phosphonate for degradation of diclofenac through peroxymonosulfate activation: degradation pathways and mechanism study. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 2411-2424.	3.7	3
117	Synthesis, characterization and applications of 3D porous graphene hierarchical structure by direct carbonization of maleic acid. <i>Ceramics International</i> , 2022, 48, 8409-8416.	4.8	3
118	The synthesis and modification of highly fluorescent carbon quantum dots for reversible detection of water-soluble phosphonate-1-hydroxyethane-1,1-diphosphonic acid by fluorescence spectroscopy. <i>Luminescence</i> , 2021, 36, 200-209.	2.9	2
119	Theoretical Studies on the Properties of 4,4'-Bis[(2,4,6-trinitrophenyl)amino]-[3,3',4',3''-ter(1',2',5'-oxidiazole)]-2'-oxide. <i>Asian Journal of Chemistry</i> , 2015, 27, 4595-4599.	0.3	1
120	Theoretical studies on a new series of 1,2,3,4-tetrazine 1,3-dioxide annulation with an imidazole ring or oxazole ring. <i>Journal of Molecular Modeling</i> , 2019, 25, 36.	1.8	1
121	The off-on fluorescent probe based on salicylic acid for rapid and selective detection of 1-hydroxyethane-1,1-diphosphonic acid. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 426, 113740.	3.9	1
122	Facile approach to synthesis the curly leaf-like Nano-sheets of g-C <sub>3</sub> N <sub>4</sub> with enhanced photocatalytic ability. <i>Materials Research Express</i> , 2018, 5, 035507.	1.6	0
123	Synthesis of RGO and g-C <sub>3</sub> N <sub>4</sub> hybrid with WO <sub>3</sub> /Bi <sub>2</sub> WO <sub>6</sub> to boost degradation of nitroguanidine under visible light irradiation. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 5503-5515.	2.2	0
124	Molecular Dynamics Simulation of Solvation Nanostructure in Carbonate-Based Electrolyte of Lithium-Sulfur Battery. <i>Nano</i> , 2021, 16, 2150092.	1.0	0