

# Fengyun Wang

## List of Publications by Citations

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144  
papers

2,647  
citations

29  
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43  
g-index

162  
ext. papers

3,691  
ext. citations

5  
avg, IF

5.87  
L-index

#	Paper	IF	Citations
144	Electrodeposition of graphene oxide doped poly(3,4-ethylenedioxythiophene) film and its electrochemical sensing of catechol and hydroquinone. <i>Electrochimica Acta</i> , <b>2012</b> , 85, 295-301	6.7	158
143	Electrochemical sensing of acetaminophen based on poly(3,4-ethylenedioxythiophene)/graphene oxide composites. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 193, 823-829	8.5	89
142	QSAR study on N-containing corrosion inhibitors: Quantum chemical approach assisted by topological index. <i>Computational and Theoretical Chemistry</i> , <b>2005</b> , 732, 173-182		82
141	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> , <b>2020</b> , 392, 123711	14.7	79
140	Adsorption properties, kinetics & thermodynamics of tetracycline on carboxymethyl-chitosan reformed montmorillonite. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 124, 557-567	7.9	78
139	Adsorption and Desorption of Pb(II) on L-Lysine Modified Montmorillonite and the simulation of Interlayer Structure. <i>Applied Clay Science</i> , <b>2019</b> , 169, 40-47	5.2	69
138	Selective sensing of catechol and hydroquinone based on poly(3,4-ethylenedioxythiophene)/nitrogen-doped graphene composites. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 199, 154-160	8.5	66
137	Molecular dynamics simulation for interaction of PESA and acrylic copolymers with calcite crystal surfaces. <i>Desalination</i> , <b>2012</b> , 291, 8-14	10.3	64
136	Electrochemical determination of 4-nitrophenol at polycarbazole/N-doped graphene modified glassy carbon electrode. <i>Electrochimica Acta</i> , <b>2014</b> , 146, 568-576	6.7	60
135	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> , <b>2021</b> , 402, 123815	12.8	50
134	A study of the solvent effect on the morphology of RDX crystal by molecular modeling method. <i>Journal of Molecular Modeling</i> , <b>2013</b> , 19, 5397-406	2	47
133	Molecular dynamics study of polyether polyamino methylene phosphonates as an inhibitor of anhydrite crystal. <i>Desalination</i> , <b>2013</b> , 322, 137-143	10.3	46
132	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> , <b>2021</b> , 403, 123810	12.8	41
131	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> , <b>2014</b> , 50, 71-7	2.8	40
130	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> , <b>2020</b> , 187, 109763	7	40
129	Encapsulating nano rods of copperBiphenylamines 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> , <b>2017</b> , 7, 3017-3026	5.5	37
128	Kinetics and equilibrium isotherms of adsorption of Pb(II) and Cu(II) onto raw and arginine-modified montmorillonite. <i>Advanced Powder Technology</i> , <b>2019</b> , 30, 1067-1078	4.6	37

127	Nitrogen-doped graphene modified electrode for nimodipine sensing. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 212, 207-213	8.5	36
126	A study of the solvent effect on the crystal morphology of hexogen by means of molecular dynamics simulations. <i>RSC Advances</i> , <b>2015</b> , 5, 25581-25589	3.7	36
125	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> , <b>2018</b> , 238, 568-575	21.8	36
124	Novel multi amine-containing Gemini surfactant modified montmorillonite as adsorbents for removal of phenols. <i>Applied Clay Science</i> , <b>2018</b> , 162, 204-213	5.2	36
123	Effective adsorption of heavy metal ions by sodium lignosulfonate reformed montmorillonite. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 138, 188-197	7.9	35
122	Fabrication of polypyrrole-grafted nitrogen-doped graphene and its application for electrochemical detection of paraquat. <i>Electrochimica Acta</i> , <b>2015</b> , 174, 464-471	6.7	34
121	Uncovering Structure-Reactivity Relationships in Pyrolysis and Gasification of Biomass with Varying Severity of Torrefaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 6008-6017	8.3	33
120	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> , <b>2014</b> , 118, 11471-11478	2.8	33
119	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> , <b>2018</b> , 364, 826-836	4.7	32
118	Mesoporous CuS nanospheres decorated rGO aerogel for high photocatalytic activity towards Cr(VI) and organic pollutants. <i>Chemosphere</i> , <b>2020</b> , 246, 125846	8.4	32
117	A new alendronate doped HAP nanomaterial for Pb, Cu and Cd effect absorption. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 400, 123143	12.8	31
116	Highly selective fluorescent sensor for Hg <sup>2+</sup> ion based on a novel rhodamine B derivative. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 206, 679-683	8.5	30
115	Simultaneous electrochemical sensing of hydroquinone and catechol using nanocomposite based on palygorskite and nitrogen doped graphene. <i>Applied Clay Science</i> , <b>2018</b> , 162, 38-45	5.2	29
114	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> , <b>2019</b> , 152, 95-105	5.5	28
113	Phytic acid-doped polyaniline nanofibers-clay mineral for efficient adsorption of copper (II) ions. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 553, 688-698	9.3	28
112	The facile synthesis of zoledronate functionalized hydroxyapatite amorphous hybrid nanobiomaterial and its excellent removal performance on Pb and Cu. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 392, 122291	12.8	27
111	Facile one-step economical methodology of metal free g-CN synthesis with remarkable photocatalytic performance under visible light to degrade trans-resveratrol. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 367, 293-303	12.8	26
110	Molecular modeling of several phosphonates onto the stepped calcite (011) surface. <i>Desalination</i> , <b>2013</b> , 309, 208-212	10.3	25

109	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> , <b>2015</b> , 206, 495-501	8.5	24
108	Peroxymonosulfate activation through 2D/2D Z-scheme CoAl-LDH/BiOBr photocatalyst under visible light for ciprofloxacin degradation. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 420, 126613	12.8	24
107	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> , <b>2020</b> , 149, 1161-1169	7.9	23
106	CuS-functionalized cellulose based aerogel as biocatalyst for removal of organic dye. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47404	2.9	23
105	Sensitization of TiO nanosheets with Cu-biphenylamine framework to enhance photocatalytic degradation performance of toxic organic contaminants: synthesis, mechanism and kinetic studies. <i>Nanotechnology</i> , <b>2018</b> , 29, 375605	3.4	23
104	Water decontamination by 3D graphene based materials: A review. <i>Journal of Water Process Engineering</i> , <b>2020</b> , 36, 101404	6.7	22
103	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> , <b>2017</b> , 348, 118-124	4.7	22
102	A comprehensive two-dimensional normal-phase x reversed-phase liquid chromatography based on the modification of mobile phases. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 7466-71	4.5	22
101	Molecular Dynamics Simulation of Interaction between Calcite Crystal and Phosphonic Acid Molecules. <i>Chinese Journal of Chemistry</i> , <b>2010</b> , 28, 337-343	4.9	22
100	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> , <b>2020</b> , 157, 142-152	5.5	21
99	Enhanced sulfur tolerance of nickel-based anodes for oxygen-ion conducting solid oxide fuel cells by incorporating a secondary water storing phase. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 12427-34	10.3	21
98	Size control of monodisperse nonporous silica particles by seed particle growth. <i>Particuology</i> , <b>2011</b> , 9, 314-317	2.8	21
97	Facile solvothermal synthesis of a high-efficiency CNNs/Ag/AgCl plasmonic photocatalyst. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 27257-27264	3.6	20
96	Modeling the interaction of seven bisphosphonates with the hydroxyapatite(100) face. <i>Journal of Molecular Modeling</i> , <b>2012</b> , 18, 4007-12	2	19
95	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> , <b>2019</b> , 45, 10782-10791	5.1	19
94	Molecular dynamics simulations of the binding affinity of 1-hydroxyethane-1, 1-diphosphonic acid (HEDP) with nano-hydroxyapatite and the uptake of Cu by HEDP-HAP hybrid systems. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 383, 121206	12.8	19
93	Molecular dynamics investigation of the effect of solvent adsorption on crystal habits of hexogen. <i>Canadian Journal of Chemistry</i> , <b>2014</b> , 92, 849-854	0.9	18
92	Theoretical studies on vicinal-tetrazine compounds: furoxano-1,2,3,4-tetrazine-1,3,5-trioxide (FTTO-I) and furoxano-1,2,3,4-tetrazine-1,3,7-trioxide (FTTO-II) <i>Journal of Molecular Modeling</i> , <b>2014</b> , 20, 2516	2	18

91	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> , <b>2017</b> , 7, 3966-3974	3.7	17
90	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> , <b>2019</b> , 186, 204-214	6.8	17
89	Crystal morphology prediction of 1,3,3-trinitroazetidine in ethanol solvent by molecular dynamics simulation. <i>Journal of Molecular Graphics and Modelling</i> , <b>2016</b> , 64, 94-100	2.8	17
88	Determination of trace uric acid in serum using porous graphitic carbon nitride (g-CN) as a fluorescent probe. <i>Mikrochimica Acta</i> , <b>2017</b> , 185, 39	5.8	17
87	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> , <b>2014</b> , 20, 2261	2	16
86	New insights into the capture performance and mechanism of hazardous metals Cr and Cd onto an effective layered double hydroxide based material.. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 426, 128062	12.8	16
85	Methionine-montmorillonite composite [A novel material for efficient adsorption of lead ions. <i>Advanced Powder Technology</i> , <b>2020</b> , 31, 708-717	4.6	16
84	Peroxymonosulfate-assisted for facilitating photocatalytic degradation performance of 2D/2D WO <sub>3</sub> /BiOBr S-scheme heterojunction. <i>Chemical Engineering Journal</i> , <b>2022</b> , 430, 132806	14.7	15
83	Fast Electrochemical Determination of Imidacloprid at an Activated Glassy Carbon Electrode. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, B9-B13	3.9	14
82	Electrochemical Polymerization and Properties of Poly(triphenylene), an Excellent Blue-Green-Light Emitter. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 9608-9617	3.8	14
81	Urchin-like MoS prepared via a molten salt assisted method for efficient hydrogen evolution. <i>Chemical Communications</i> , <b>2018</b> , 54, 12714-12717	5.8	14
80	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> , <b>2017</b> , 136, 118-125	3.2	13
79	Preparation of high-purity monodisperse silica microspheres by the sol-gel method coupled with polymerization-induced colloid aggregation. <i>Particuology</i> , <b>2015</b> , 22, 177-184	2.8	13
78	Sensitive and Selective Detection of Imidacloprid by Graphene-Oxide-Modified Glassy Carbon Electrode. <i>ChemElectroChem</i> , <b>2014</b> , 1, 1063-1067	4.3	13
77	Molecular Dynamics Simulation of Interaction between Calcite Crystal and Water-soluble Polymers. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , <b>2005</b> , 21, 1198-1204	3.8	13
76	Facile hydrothermal synthesis of magnetic adsorbent CoFeO/MMT to eliminate antibiotics in aqueous phase: tetracycline and ciprofloxacin. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 215-226	5.1	13
75	Erection of duct-like graphitic carbon nitride with enhanced photocatalytic activity for ACB photodegradation. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 065501	3	12
74	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> , <b>2018</b> , 358, 246-255	4.7	12

73	Adsorption Properties of Pb <sup>2+</sup> by Amino Group $\beta$ Functionalized Montmorillonite from Aqueous Solutions. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2018</b> , 63, 2940-2949	2.8	12
72	In-Depth Study of Heavy Metal Removal by an Etidronic Acid-Functionalized Layered Double Hydroxide.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,	9.5	12
71	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> , <b>2021</b> , 614, 126186	5.1	12
70	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> , <b>2019</b> , 184, 109610	7	11
69	A theoretical study on the structure and hygroscopicity of ammonium dinitramide. <i>Structural Chemistry</i> , <b>2013</b> , 24, 1537-1543	1.8	11
68	High performance of phytic acid-functionalized spherical poly-phenylglycine particles for removal of heavy metal ions. <i>Applied Surface Science</i> , <b>2020</b> , 518, 146206	6.7	10
67	Design of Graphene Nanoplatelet/Graphitic Carbon Nitride Heterojunctions by Vacuum Tube with Enhanced Photocatalytic and Electrochemical Response. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 1726-1732	2.3	10
66	A Rhodamine-based Dual Chemosensor for the Simultaneous Detection of Fe and Cu. <i>Analytical Sciences</i> , <b>2016</b> , 32, 1223-1229	1.7	10
65	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> , <b>2019</b> , 372, 78-88	4.7	10
64	Efficient absorption properties of surface grafted HEDP-HAP composites for Pb and Cu: Experimental study and visualization study of interaction based on Becke surface analysis and independent gradient model. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 401, 123748	12.8	10
63	Construction and evaluation of a novel three-electrode capacitive deionization system with high desalination performance. <i>Separation and Purification Technology</i> , <b>2021</b> , 273, 118976	8.3	10
62	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> , <b>2022</b> , 423, 127192	12.8	10
61	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> , <b>2020</b> , 26, 6359-6369	2.7	9
60	Adsorption of two Eblocker 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> , <b>2021</b> , 590, 601-613	9.3	9
59	Boron-doped graphene for fast electrochemical detection of HMX explosive. <i>Electrochimica Acta</i> , <b>2016</b> , 216, 219-227	6.7	9
58	High-quality and excellent green-light-emitting poly(acenaphthylene) film: electrosynthesis and characterization. <i>Polymer Chemistry</i> , <b>2011</b> , 2, 1085-1090	4.9	8
57	High-quality poly (N-phenyl-2-naphthylamine) films: Electrosynthesis and fluorescent properties. <i>Materials Letters</i> , <b>2010</b> , 64, 2211-2214	3.3	8
56	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> , <b>2022</b> , 806, 150652	10.2	8

55	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> , <b>2021</b> , 207, 106086	5.2	8
54	Construction of a Z-scheme 1D/2D FeV3O8/g-C3N4 composite for ibuprofen degradation: mechanism insight, theoretical calculation and degradation pathway. <i>Catalysis Science and Technology</i> , <b>2021</b> , 11, 3466-3480	5.5	8
53	Preparation and Evaluation of a C18-Sulfonic Group Dual Modification Chromatographic Stationary Phase. <i>Chinese Journal of Analytical Chemistry</i> , <b>2017</b> , 45, 56-60	1.6	7
52	Facile electrosynthesis of poly (pyrene-1-sulfonic acid sodium salt) film: A good candidate for blue light-emitting diodes applications. <i>Materials Letters</i> , <b>2011</b> , 65, 1234-1237	3.3	7
51	MOLECULAR DYNAMICS SIMULATION THE HYDROXYAPATITE SCALE INHIBITION MECHANISM OF WATER-SOLUBLE POLYMERS. <i>Journal of Theoretical and Computational Chemistry</i> , <b>2010</b> , 09, 889-902	1.8	7
50	Molecular Dynamics Study of Interaction between Acrylamide Copolymers and Alumina Crystal. <i>Chinese Journal of Chemical Physics</i> , <b>2012</b> , 25, 571-576	0.9	7
49	Theoretical studies on a new furazan compound bis[4-nitramino-furazanyl-3-azoxy]azofurazan (ADNAAF). <i>Journal of Molecular Modeling</i> , <b>2016</b> , 22, 129	2	7
48	Fe-ZrO2 imbedded graphene like carbon nitride for acarbose (ACB) photo-degradation intermediate study. <i>Advanced Powder Technology</i> , <b>2018</b> , 29, 3233-3240	4.6	6
47	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> , <b>2021</b> , 626, 127029	5.1	6
46	A theoretical study of the inhibition effect of PAMAM molecule on silica scale. <i>Journal of Molecular Modeling</i> , <b>2017</b> , 23, 32	2	5
45	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> , <b>2019</b> , 94, 3585-3594	3.5	5
44	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> , <b>2019</b> , 64, 3535-3546	2.8	5
43	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> , <b>2022</b> , 614, 478-488	9.3	5
42	The adsorption performance and micro-mechanism of MoS/montmorillonite composite to atenolol and acebutolol: Adsorption experiments and a novel visual study of interaction. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 213, 111993	7	5
41	Maximizing Anhydrosugar Production from Fast Pyrolysis of Eucalyptus Using Sulfuric Acid as an Ash Catalyst Inhibitor. <i>Catalysts</i> , <b>2018</b> , 8, 609	4	5
40	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> , <b>2021</b> , 32, 3465-3475	4.6	5
39	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> , <b>2015</b> , 21, 201	2	4
38	Computational investigation of the properties of double furazan-based and furoxan-based energetic materials. <i>Journal of Molecular Modeling</i> , <b>2016</b> , 22, 268	2	4

37	Theoretical study of solvent effects on RDX crystal quality and sensitivity using an implicit solvation model. <i>Journal of Molecular Modeling</i> , <b>2014</b> , 20, 2326	2	4
36	Influence of Three Organic Phosphonates on Calcite Crystal Growth. <i>Advanced Materials Research</i> , <b>2010</b> , 154-155, 437-442	0.5	4
35	Porous P, Fe-doped g-CN nanostructure with enhanced photo-Fenton activity for removal of tetracycline hydrochloride: Mechanism insight, DFT calculation and degradation pathways. <i>Chemosphere</i> , <b>2021</b> , 133039	8.4	4
34	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> , <b>2021</b> , 32, 1641-1652	4.6	4
33	A sensitive electrochemical sensor based on polypyrrole/electrochemically reduced graphene oxide for the determination of imidacloprid. <i>Journal of Electrochemical Science and Engineering</i> , <b>2019</b> , 9, 143-152	1.9	4
32	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> , <b>2021</b> , 628, 127291	5.1	4
31	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> , <b>2015</b> , 21, 269	2	3
30	Synthesis and theoretical prediction of detonation properties of 3-azido-4-[(4-nitrofurazan-3-yl)-ONN-azoxy]furazan. <i>Chemistry of Heterocyclic Compounds</i> , <b>2015</b> , 51, 760-762	1.4	3
29	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> , <b>2022</b> , 608, 322-333	9.3	3
28	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> , <b>2021</b> , 326, 115243	6	3
27	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> , <b>2021</b> , 232, 1	2.6	3
26	Synthesis and theoretical studies on nitrogen-rich salts of bis[4-nitraminofurazanyl-3-azoxy]azofurazan (ADNAAF). <i>Journal of Molecular Modeling</i> , <b>2017</b> , 23, 12	2	2
25	Preparation of SiO <sub>2</sub> Microspheres by Two-step Catalytic Sol-Gel Method. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , <b>2011</b> , 26, 1090-1094	1	2
24	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> , <b>2021</b> , 32, 1219-1232	4.6	2
23	Determination of benzo(a)pyrene in fried and baked foods by HPLC combined with vesicular coacervative supramolecular solvent extraction. <i>Journal of Food Science and Technology</i> , <b>2019</b> , 56, 428-433	4.3	2
22	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> , <b>2020</b> , 100, 1376-1389	1.8	2
21	The ratiometric detection and mechanism of three typical phosphonates by quercetin-based fluorescent probe with low detection limits. <i>Journal of Luminescence</i> , <b>2021</b> , 231, 117778	3.8	2
20	Preparation of spherical filler-like ZnFeO/BiMoO surrounded by nanosheets and its photocatalytic applications. <i>Environmental Technology (United Kingdom)</i> , <b>2021</b> , 42, 2077-2084	2.6	2



19	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> , <b>2021</b> , 626, 127025	5.1	2
18	Energy-saving management modelling and optimization for lead-acid battery formation process. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2017</b> , 93, 012015	0.3	1
17	Polyethylene Rubber Composite Target Resistance to Jet Penetration. <i>Advanced Materials Research</i> , <b>2009</b> , 79-82, 1217-1220	0.5	1
16	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> , <b>2019</b> , 64, 5900-5909	2.8	1
15	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> , <b>2018</b> , 5, 055030	1.7	1
14	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> , <b>2020</b> , 22, 1	2.3	0
13	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> , <b>2022</b> , 640, 128384	5.1	0
12	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> , <b>2021</b> , 36, 200-209	2.5	0
11	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> , <b>2021</b> , 341, 117442	6	0
10	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> , <b>2022</b> , 132173	10.3	0
9	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> , <b>2022</b> , 295, 121283	8.3	0
8	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> , <b>2019</b> , 25, 36	2	
7	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> , <b>2018</b> , 5, 035507	1.7	
6	Analysis on China's Energy Low Carbonization under the Background of Industrialization. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 291-294, 1492-1497	0.3	
5	Electrochemical Copolymerization of Triphenylene and 3, 4-Ethylenedioxythiophene and Characterization of the Copolymer. <i>Advanced Materials Research</i> , <b>2010</b> , 150-151, 1662-1666	0.5	
4	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> , <b>2022</b> , 426, 113740	4.7	
3	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> , <b>2019</b> , 30, 5503-5515	2.1	
2	Molecular Dynamics Simulation of Solvation Nanostructure in Carbonate-Based Electrolyte of LithiumSulfur Battery. <i>Nano</i> , <b>2021</b> , 16, 2150092	1.1	

- 1 Synthesis, characterization and applications of 3D porous graphene hierarchical structure by direct carbonization of maleic acid. *Ceramics International*, **2022**, 48, 8409-8416 5.1