

# Mingzhu Xia

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1213111/mingzhu-xia-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

121  
papers

2,261  
citations

28  
h-index

41  
g-index

127  
ext. papers

3,262  
ext. citations

5.7  
avg, IF

5.81  
L-index

#	Paper	IF	Citations
121	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
120	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
119	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
118	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	
117	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
116	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
115	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
114	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
113	Synthesis, characterization and applications of 3D porous graphene hierarchical structure by direct carbonization of maleic acid. <i>Ceramics International</i> , <b>2022</b> , 48, 8409-8416	5.1	
112	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
111	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
110	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
109	Efficient detection for Nitrofurazone based on novel AgS QDs/g-CN fluorescent probe.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 269, 120727	4.4	0
108	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
107	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
106	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
105	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

104	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> , <b>2021</b> , 213, 111993	7	5
103	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
102	Adsorption of two 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> , <b>2021</b> , 590, 601-613	9.3	9
101	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
100	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
99	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
98	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
97	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
96	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
95	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
94	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
93	Molecular Dynamics Simulation of Solvation Nanostructure in Carbonate-Based Electrolyte of LithiumSulfur Battery. <i>Nano</i> , <b>2021</b> , 16, 2150092	1.1	
92	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
91	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
90	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
89	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
88	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
87	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

86	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
85	Construction of a Z-scheme 1D/2D FeV <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> , <b>2021</b> , 11, 3466-3480	5.5	8
84	Water decontamination by 3D graphene based materials: A review. <i>Journal of Water Process Engineering</i> , <b>2020</b> , 36, 101404	6.7	22
83	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
82	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
81	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
80	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
79	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
78	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
77	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
76	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
75	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
74	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
73	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
72	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
71	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
70	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	
69	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

68	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
67	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
66	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
65	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
64	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
63	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
62	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
61	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	
60	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
59	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
58	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
57	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
56	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
55	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
54	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
53	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
52	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	
51	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

50	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
49	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
48	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
47	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
46	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
45	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
44	Adsorption Properties of Pb <sup>2+</sup> by Amino Group-Functionalized Montmorillonite from Aqueous Solutions. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2018</b> , 63, 2940-2949	2.8	12
43	Fe-ZrO <sub>2</sub> 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
42	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
41	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
40	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
39	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
38	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
37	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> , <b>2017</b> , 7, 3017-3026	5.5	37
36	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
35	Synthesis and theoretical studies on nitrogen-rich salts of bis[4-nitraminofurazanyl-3-oxo]azofurazan (ADNAAF). <i>Journal of Molecular Modeling</i> , <b>2017</b> , 23, 12	2	2
34	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
33	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

32	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
31	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
30	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
29	Boron-doped graphene for fast electrochemical detection of HMX explosive. <i>Electrochimica Acta</i> , <b>2016</b> , 216, 219-227	6.7	9
28	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
27	Nitrogen-doped graphene modified electrode for nimodipine sensing. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 212, 207-213	8.5	36
26	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
25	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
24	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	1.42	3
23	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
22	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
21	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
20	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
19	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
18	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
17	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
16	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
15	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

14	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
13	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
12	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
11	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
10	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
9	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
8	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
7	Molecular modeling of several phosphonates onto the stepped calcite (011) surface. <i>Desalination</i> , <b>2013</b> , 309, 208-212	10.3	25
6	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
5	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
4	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
3	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
2	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
1	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