

Zihui Meng

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3657185/zihui-meng-publications-by-year.pdf>

Version: 2024-04-20

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.

82

papers

1,105

citations

19

h-index

30

g-index

90

ext. papers

1,372

ext. citations

4.7

avg, IF

4.44

L-index

#	Paper	IF	Citations
82	Colloidal Photonic Crystal Sensors 2022 , 237-275		1
81	Identification and Analysis of the Impurities for Triethylboron by GC-MS Method. <i>Propellants, Explosives, Pyrotechnics</i> , 2022 , 47,	1.7	
80	Dual-Responsive Photonic Crystal Sensors Based on Physical Crossing-Linking SF-PNIPAM Dual-Crosslinked Hydrogel. <i>Gels</i> , 2022 , 8, 339	4.2	1
79	Rapid self-assembly preparation of p-nitrophenol-molecular imprinted photonic crystal sensors. <i>Microchemical Journal</i> , 2021 , 164, 105950	4.8	3
78	Recent Advances in Sensing Applications of Molecularly Imprinted Photonic Crystals. <i>Frontiers in Chemistry</i> , 2021 , 9, 665119	5	2
77	A biomass based photonic crystal made of Konjac tofu <i>Chinese Chemical Letters</i> , 2021 , 32, 587-590	8.1	4
76	Design, Synthesis, and Biological Activity Studies of Istradefylline Derivatives Based on Adenine as A Receptor Antagonists. <i>ACS Omega</i> , 2021 , 6, 4386-4394	3.9	1
75	Quantitative Detection of Components in Polymer-Bonded Explosives through Near-Infrared Spectroscopy with Partial Least Square Regression. <i>ACS Omega</i> , 2021 , 6, 23163-23169	3.9	1
74	Recent Advances in Preparation and Applications of 3D Transition Metal Oxides Semiconductor Photonic Crystal. <i>Advanced Photonics Research</i> , 2021 , 2, 2000191	1.9	0
73	Detection of lysozyme in body fluid based on two-dimensional colloidal crystal sensor. <i>Microchemical Journal</i> , 2020 , 157, 105073	4.8	9
72	Solubility of Azilsartan in Methanol, Ethanol, Acetonitrile, -Propanol, Isopropanol, Tetrahydrofuran, and Binary Solvent Mixtures between 293.15 and 333.15 K. <i>ACS Omega</i> , 2020 , 5, 6141-6145	3.9	1
71	Dimethyl sulfoxide infiltrated photonic crystals for gas sensing. <i>Microchemical Journal</i> , 2020 , 157, 105073	4.8	2
70	An enhanced gas sensor based on SiO@mesoporous MCM-41 core-shell nanocomposites for SO visual detection. <i>Analyst, The</i> , 2020 , 145, 4352-4357	5	1
69	Investigation of Photostability of Istradefylline Aqueous Solution. <i>ChemistrySelect</i> , 2020 , 5, 2337-2341	1.8	0
68	Recent advances in self-assemblies and sensing applications of colloidal photonic crystals. <i>Analytica Chimica Acta</i> , 2020 , 1123, 91-112	6.6	13
67	A New Fluorescent Sensor for Fe ³⁺ Based on Glycoluril Molecular Clip. <i>ChemistrySelect</i> , 2020 , 5, 1878-1888	3.8	6
66	Separation and identification of an impurity from the istradefylline intermediate.. <i>RSC Advances</i> , 2020 , 10, 14493-14499	3.7	1

65	Glycated albumin based photonic crystal sensors for detection of lipopolysaccharides and discrimination of Gram-negative bacteria. <i>Analytica Chimica Acta</i> , 2020 , 1117, 1-8	6.6	15
64	Triptycene Walled Glycoluril Trimer: Synthesis and Recognition Properties. <i>New Journal of Chemistry</i> , 2020 , 44, 338-345	3.6	9
63	Dopamine/Polyethylenimine-Modified Silica for Enzyme Immobilization and Strengthening of Enzymatic CO ₂ Conversion. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 15250-15257	8.3	6
62	Full-color natural rubber latex with a photonic nanostructure composite. <i>Chemical Communications</i> , 2020 , 56, 9604-9607	5.8	2
61	Design and Preparation of a 3D Photonic Glass with a Broad Infrared Gap. <i>ChemistrySelect</i> , 2020 , 5, 15117-15120	1.8	9
60	Development of Molecularly Imprinted 2D Photonic Crystal Hydrogel Sensor for Detection of L-Kynurenine in Human Serum. <i>Talanta</i> , 2020 , 208, 120403	6.2	21
59	Dyeing and Functionalization of Wearable Silk Fibroin/Cellulose Composite by Nanocolloidal Array. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 39163-39170	9.5	18
58	A Novel Synthesis, Characterization and Performances of 1,3,5-Trinitro-2,2-bis(trifluoromethyl)-1,3,5-triazinane. <i>ChemistrySelect</i> , 2019 , 4, 6338-6341	1.8	1
57	Clinical Evaluation of a Photonic Crystal Sensor for Glucose Monitoring in Urine. <i>ChemistrySelect</i> , 2019 , 4, 6547-6551	1.8	9
56	Fabrication of an antibiotic-sensitive 2D-molecularly imprinted photonic crystal. <i>Analytical Methods</i> , 2019 , 11, 2875-2879	3.2	8
55	Fast screening of antibiotics in milk using a molecularly imprinted two-dimensional photonic crystal hydrogel sensor. <i>Analytica Chimica Acta</i> , 2019 , 1070, 97-103	6.6	35
54	Synthesis, Hydrolysis, Reduction and Nitrolysis of Glycoluril-Derived Precursors: Another Attempt toward the Synthesis of Nitramine Explosives. <i>ChemistrySelect</i> , 2019 , 4, 3474-3478	1.8	0
53	Synthesis and Characterization of Diaminoguanidine and Hydroxylamine Salts of 1,1,2,2-Tetranitroaminoethane (TNAE). <i>ChemistrySelect</i> , 2019 , 4, 3582-3584	1.8	2
52	Acetylcholinesterase-functionalized two-dimensional photonic crystal for the sensing of G-series nerve agents. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 2577-2585	4.4	13
51	Interactions between acyclic CB[n]-type receptors and nitrated explosive materials. <i>Chemical Communications</i> , 2019 , 55, 10635-10638	5.8	2
50	Thermal and stress tension dual-responsive photonic crystal nanocomposite hydrogels.. <i>RSC Advances</i> , 2019 , 9, 21202-21205	3.7	4
49	A fast method for preparing a large diameter, three-dimensional photonic crystal infrared stealth material. <i>Optik</i> , 2019 , 180, 894-899	2.5	4
48	A Rapid and Sensitive Quantitative Analysis Method for TNT using Raman Spectroscopy. <i>Propellants, Explosives, Pyrotechnics</i> , 2019 , 44, 337-344	1.7	7

47	Flexible construction of cellulose photonic crystal optical sensing nano-materials detecting organic solvents. <i>Analyst, The</i> , 2019 , 144, 1892-1897	5	19
46	Investigation on the hydrolytic mechanism of cucurbit[6]uril in alkaline solution. <i>Royal Society Open Science</i> , 2018 , 5, 180038	3.3	2
45	Reduced graphene oxide/2D colloidal array composite membrane fabricated layer-by-layer. <i>Chinese Chemical Letters</i> , 2018 , 29, 922-926	8.1	5
44	Mechanism Improvement and Process Optimization of the One-Pot Synthesis of 3,7-Dinitro-1,3,5,7-Tetraazabicyclo[3,3,1]nonane from Urea. <i>Propellants, Explosives, Pyrotechnics</i> , 2018 , 43, 1056-1059	1.7	1
43	Hybrid Molecular Container Based on Glycoluril and Triptycene: Synthesis, Binding Properties, and Triggered Release. <i>Chemistry - A European Journal</i> , 2018 , 24, 14101-14110	4.8	9
42	A glycoluril dimer-triptycene hybrid receptor: synthesis and molecular recognition properties. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 6499-6506	3.9	8
41	An Efficient Method of Preparation and Comprehensive Properties for Energetic Salts Based on Nitrofurazan-Functionalized Hydroxytetrazoles. <i>ChemistrySelect</i> , 2018 , 3, 11835-11841	1.8	7
40	Synthesis and Characterization of the Guanidine Salt Based on 1,1,2,2-Tetranitraminoethane (TNAE). <i>Propellants, Explosives, Pyrotechnics</i> , 2018 , 43, 1296-1301	1.7	2
39	Acetylcholinesterase-functionalized two-dimensional photonic crystals for the detection of organophosphates. <i>RSC Advances</i> , 2018 , 8, 29385-29391	3.7	13
38	Separation of 1,3,5,7-tetranitro-1,3,5,7-tetraazacyclooctane and 1,3,5-trinitro-1,3,5-triazacyclohexane by molecularly imprinted solid-phase extraction. <i>Journal of Separation Science</i> , 2017 , 40, 1201-1208	3.4	1
37	Simultaneous selective extraction of nitramine explosives using molecularly imprinted polymer hollow spheres from post blast samples. <i>New Journal of Chemistry</i> , 2017 , 41, 1129-1136	3.6	11
36	Colorimetric sensor arrays based on pattern recognition for the detection of nitroaromatic molecules. <i>Journal of Hazardous Materials</i> , 2017 , 326, 130-137	12.8	40
35	Self-assembly of the polymer brush-grafted silica colloidal array for recognition of proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 5319-5326	4.4	9
34	Functionalized photonic crystal for the sensing of Sarin agents. <i>Talanta</i> , 2016 , 159, 412-417	6.2	13
33	Full-color mechanical sensor based on elastic nanocomposite hydrogels encapsulated three-dimensional colloidal arrays. <i>Sensors and Actuators B: Chemical</i> , 2016 , 234, 527-533	8.5	23
32	Preparation of free-standing two-dimensional colloidal crystal arrays. <i>Colloid and Polymer Science</i> , 2016 , 294, 479-482	2.4	7
31	Solanesol extraction from tobacco leaves by Flash chromatography based on molecularly imprinted polymers. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1020, 1-5	3.2	13
30	Investigation of the Solubility of 3,4-Diaminofurazan (DAF) and 3,3?-Diamino-4,4?-azoxyfurazan (DAAF) at Temperatures Between 293.15 K and 313.15 K. <i>Propellants, Explosives, Pyrotechnics</i> , 2016 , 41, 883-887	1.7	5

29	Visual detection of 2,4,6-trinitrotoluene by molecularly imprinted colloidal array photonic crystal. <i>Journal of Hazardous Materials</i> , 2016 , 316, 87-93	12.8	34
28	Molecular imprinted photonic crystal for sensing of biomolecules. <i>Molecular Imprinting</i> , 2016 , 4, 1-12		30
27	Application of molecularly imprinted polymers for the solid-phase extraction of hexanitrohexaazaisowurtzitane (CL-20) from soil samples. <i>Analytical Methods</i> , 2016 , 8, 4413-4420	3.2	5
26	A non-enzymatic urine glucose sensor with 2-D photonic crystal hydrogel. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 8317-8323	4.4	27
25	Solubility of 3,7-Dinitro-1,3,5,7-tetraazabicyclo [3.3.1] Nonane in Ethanenitrile, Methanol, 1,1-Dichloroethane, Dimethyl Sulfoxide, Acetone, and Mixed Solvents. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 1683-1687	2.8	2
24	Cellulose photonic crystal film sensor for alcohols. <i>Sensors and Actuators B: Chemical</i> , 2015 , 220, 222-226	3.5	36
23	Thermal behavior and safety of 4,10-dinitro-2,6,8,12-tetraoxa-4,10-diazaisowurtzitane. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 121, 839-842	4.1	12
22	Molecularly imprinted hollow sphere array for the sensing of proteins. <i>Journal of Biophotonics</i> , 2015 , 8, 838-45	3.1	14
21	Analysis of Polar Precursors of 1,3,5,7-Tetranitro-1,3,5,7-tetrazocine (HMX) Using Hydrophilic Interaction Chromatography. <i>Propellants, Explosives, Pyrotechnics</i> , 2015 , 40, 133-137	1.7	
20	Design and Synthesis of Hydrolytically Stable N-Nitrourea Explosives. <i>Propellants, Explosives, Pyrotechnics</i> , 2015 , 40, 908-913	1.7	2
19	Molecularly Imprinted Polymers with Stimuli-Responsive Affinity: Progress and Perspectives. <i>Polymers</i> , 2015 , 7, 1689-1715	4.5	91
18	Two-dimensional colloidal crystal heterostructures. <i>RSC Advances</i> , 2015 , 5, 18939-18944	3.7	21
17	Molecularly imprinted hollow spheres for the solid phase extraction of estrogens. <i>Talanta</i> , 2015 , 140, 68-72	6.2	43
16	Protein recognition by a surface imprinted colloidal array. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 7165-7173		35
15	Synthesis and Characterization of a Thermally and Hydrolytically Stable Energetic Material based on N-Nitrourea. <i>Propellants, Explosives, Pyrotechnics</i> , 2014 , 39, 662-669	1.7	15
14	A molecularly imprinted colloidal array as a colorimetric sensor for label-free detection of p-nitrophenol. <i>Analytical Methods</i> , 2014 , 6, 831-837	3.2	27
13	Responsive photonic crystal for the sensing of environmental pollutants. <i>Trends in Environmental Analytical Chemistry</i> , 2014 , 3-4, 1-6	12	18
12	A sensitive fluorescence anisotropy method for detection of lead (II) ion by a G-quadruplex-inducible DNA aptamer. <i>Analytica Chimica Acta</i> , 2014 , 812, 161-7	6.6	57

11	A 2-D photonic crystal hydrogel for selective sensing of glucose. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 9559-9565	13	60
10	Characterization of Hydrazinium 3,5-Dinitroamine-1,2,4-triazole. <i>Journal of Energetic Materials</i> , 2014 , 32, S60-S70	1.6	1
9	Two-dimensional inverse opal hydrogel for pH sensing. <i>Analyst, The</i> , 2014 , 139, 6192-6	5	25
8	Detection of nitrobenzene compounds in surface water by ion mobility spectrometry coupled with molecularly imprinted polymers. <i>Journal of Hazardous Materials</i> , 2014 , 280, 588-94	12.8	26
7	Selective Extraction of N-Heterocyclic Precursors of 1,3,5,7-Tetranitro-1,3,5,7-tetraazacyclooctane (HMX) Using Molecularly Imprinted Polymers. <i>Propellants, Explosives, Pyrotechnics</i> , 2013 , 38, 781-785	1.7	3
6	PREPARATION OF SURFACE-IMPRINTED SILICA USING METAL COORDINATION FOR THE SEPARATION OF PROTEINS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2013 , 36, 2196-2207	1.3	6
5	A Covalently Imprinted Photonic Crystal for Glucose Sensing. <i>Journal of Nanomaterials</i> , 2013 , 2013, 1-6	3.2	5
4	EXTRACTION OF SHIKIMIC ACID FROM CHINESE STAR ANISE USING FLASH COLUMN CHROMATOGRAPHY ON A MOLECULARLY-IMPRINTED POLYMER COLUMN. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2013 , 36, 2677-2686	1.3	14
3	Detection of organophosphorus compounds using a molecularly imprinted photonic crystal. <i>Biosensors and Bioelectronics</i> , 2012 , 32, 273-7	11.8	47
2	Dummy molecularly imprinted polymer for selective screening of trace bisphenols in river. <i>Analytical Methods</i> , 2011 , 3, 173-180	3.2	51
1	Aptamer empowered hydrogels: Fabrication and bio-sensing applications. <i>Journal of Applied Polymer Science</i> ,	2.9	1