

# Min Xue

## List of Publications by Year in descending order

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87  
papers

1,492  
citations

304602

22  
h-index

395590

33  
g-index

89  
all docs

89  
docs citations

89  
times ranked

1585  
citing authors

#	ARTICLE	IF	CITATIONS
1	A 2-D photonic crystal hydrogel for selective sensing of glucose. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9559-9565.	5.2	74
2	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.	2.6	55
3	Detection of organophosphorus compounds using a molecularly imprinted photonic crystal. <i>Biosensors and Bioelectronics</i> , 2012, 32, 273-277.	5.3	54
4	Nitrogen-Rich Energetic Dianionic Salts of 3, 4-Bis(1-H-tetrazolyl)furoxan with Excellent Thermal Stability. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 392-400.	0.6	52
5	Colorimetric sensor arrays based on pattern recognition for the detection of nitroaromatic molecules. <i>Journal of Hazardous Materials</i> , 2017, 326, 130-137.	6.5	48
6	Molecularly imprinted hollow spheres for the solid phase extraction of estrogens. <i>Talanta</i> , 2015, 140, 68-72.	2.9	46
7	Molecular imprinted photonic crystal for sensing of biomolecules. <i>Molecular Imprinting</i> , 2016, 4, 1-12.	1.8	46
8	Cellulose photonic crystal film sensor for alcohols. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 222-226.	4.0	45
9	Visual detection of 2,4,6-trinitrotoluene by molecularly imprinted colloidal array photonic crystal. <i>Journal of Hazardous Materials</i> , 2016, 316, 87-93.	6.5	44
10	Development of Molecularly Imprinted 2D Photonic Crystal Hydrogel Sensor for Detection of L-Kynurenine in Human Serum. <i>Talanta</i> , 2020, 208, 120403.	2.9	40
11	Protein recognition by a surface imprinted colloidal array. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7165.	5.2	39
12	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.	2.6	39
13	Detection of nitrobenzene compounds in surface water by ion mobility spectrometry coupled with molecularly imprinted polymers. <i>Journal of Hazardous Materials</i> , 2014, 280, 588-594.	6.5	37
14	Liquid biopsy-based single-cell metabolic phenotyping of lung cancer patients for informative diagnostics. <i>Nature Communications</i> , 2019, 10, 3856.	5.8	37
15	A non-enzymatic urine glucose sensor with 2-D photonic crystal hydrogel. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8317-8323.	1.9	36
16	Recent advances in self-assemblies and sensing applications of colloidal photonic crystals. <i>Analytica Chimica Acta</i> , 2020, 1123, 91-112.	2.6	33
17	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.	4.0	30
18	Dyeing and Functionalization of Wearable Silk Fibroin/Cellulose Composite by Nanocolloidal Array. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 39163-39170.	4.0	29

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19	A molecularly imprinted colloidal array as a colorimetric sensor for label-free detection of p-nitrophenol. <i>Analytical Methods</i> , 2014, 6, 831-837.	1.3	28
20	Two-dimensional inverse opal hydrogel for pH sensing. <i>Analyst, The</i> , 2014, 139, 6192-6196.	1.7	26
21	Molecularly Imprinted Polymers for the Sensing of Explosives and Chemical Warfare Agents. <i>Current Organic Chemistry</i> , 2015, 19, 62-71.	0.9	26
22	Acetylcholinesterase-functionalized two-dimensional photonic crystal for the sensing of G-series nerve agents. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2577-2585.	1.9	25
23	Two-dimensional colloidal crystal heterostructures. <i>RSC Advances</i> , 2015, 5, 18939-18944.	1.7	24
24	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.	0.5	23
25	Responsive photonic crystal for the sensing of environmental pollutants. <i>Trends in Environmental Analytical Chemistry</i> , 2014, 3-4, 1-6.	5.3	22
26	Induced fit-recognition of proteins by surface imprinted silica with soft-recognition sites. <i>Talanta</i> , 2012, 99, 966-971.	2.9	21
27	Removal of 2,4,6-Trinitrotoluene from Pink Water-Using Molecularly-Imprinted Absorbent. <i>Propellants, Explosives, Pyrotechnics</i> , 2012, 37, 100-106.	1.0	21
28	Synthesis and Characterization of a Thermally and Hydrolytically Stable Energetic Material based on Nitrourea. <i>Propellants, Explosives, Pyrotechnics</i> , 2014, 39, 662-669.	1.0	21
29	Flory-Huggins VOC Photonics Sensor Made of Cellulose Derivatives. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 10701-10711.	4.0	19
30	Consensus Receptor-Binding Domain-Targeted Aptamer Selection and Designing of a Photonic Crystal-Decorated Aptasensor for SARS-CoV-2. <i>Analytical Chemistry</i> , 2022, 94, 7391-7399.	3.2	19
31	Functionalized photonic crystal for the sensing of Sarin agents. <i>Talanta</i> , 2016, 159, 412-417.	2.9	18
32	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.	1.2	18
33	Molecularly imprinted hollow sphere array for the sensing of proteins. <i>Journal of Biophotonics</i> , 2015, 8, 838-845.	1.1	17
34	Self-assembly of a nano hydrogel colloidal array for the sensing of humidity. <i>RSC Advances</i> , 2018, 8, 9963-9969.	1.7	16
35	Construction of a Sequenceable Protein Mimetic Peptide Library with a True 3D Diversifiable Chemical Space. <i>Journal of the American Chemical Society</i> , 2018, 140, 14552-14556.	6.6	16
36	Acetylcholinesterase-functionalized two-dimensional photonic crystals for the detection of organophosphates. <i>RSC Advances</i> , 2018, 8, 29385-29391.	1.7	16

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37	Inhibiting Matrix Metalloproteinase-2 Activation by Perturbing Protein-Protein Interactions Using a Cyclic Peptide. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 6979-6990.	2.9	16
38	A biocompatible, self-adhesive, and stretchable photonic crystal sensor for underwater motion detection. <i>Journal of Materials Chemistry C</i> , 2022, 10, 9025-9034.	2.7	16
39	Self-assembly of the polymer brush-grafted silica colloidal array for recognition of proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5319-5326.	1.9	15
40	Detection of lysozyme in body fluid based on two-dimensional colloidal crystal sensor. <i>Microchemical Journal</i> , 2020, 157, 105073.	2.3	15
41	Solubility of 3,4-Bis(3-nitrofurazan-4-yl)furoxan in Common Solvents at Temperatures between 293.15 K and 313.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 2677-2680.	1.0	13
42	Surface Immobilization of Redox-Labile Fluorescent Probes: Enabling Single-Cell Co-Profiling of Aerobic Glycolysis and Oncogenic Protein Signaling Activities. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11554-11558.	7.2	13
43	Fabrication of an antibiotic-sensitive 2D-molecularly imprinted photonic crystal. <i>Analytical Methods</i> , 2019, 11, 2875-2879.	1.3	13
44	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.	1.4	12
45	Recent Advances in Sensing Applications of Molecularly Imprinted Photonic Crystals. <i>Frontiers in Chemistry</i> , 2021, 9, 665119.	1.8	12
46	Clinical Evaluation of a Photonic Crystal Sensor for Glucose Monitoring in Urine. <i>ChemistrySelect</i> , 2019, 4, 6547-6551.	0.7	11
47	A Chemical Approach for Profiling Intracellular AKT Signaling Dynamics from Single Cells. <i>Journal of the American Chemical Society</i> , 2018, 140, 13586-13589.	6.6	10
48	A biomass based photonic crystal made of konjac tofu. <i>Chinese Chemical Letters</i> , 2021, 32, 587-590.	4.8	10
49	Dimethyl sulfoxide infiltrated photonic crystals for gas sensing. <i>Microchemical Journal</i> , 2020, 157, 105074.	2.3	9
50	Colorimetric screening of nitramine explosives by molecularly imprinted photonic crystal array. <i>Microchemical Journal</i> , 2020, 158, 105143.	2.3	9
51	Preparation and photocatalytic kinetics of nano-ZnO powders by precipitation stripping process. <i>Frontiers of Chemical Engineering in China</i> , 2008, 2, 319-324.	0.6	8
52	The Nitrolysis Mechanism of 3,7-Dinitro-1,3,5,7-tetraazabicyclo[3,3,1]nonane. <i>Propellants, Explosives, Pyrotechnics</i> , 2015, 40, 645-651.	1.0	8
53	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.	1.0	8
54	Metal-Free Polymer-Based Affinity Medium for Selective Purification of His6-Tagged Proteins. <i>Biomacromolecules</i> , 2021, 22, 1695-1705.	2.6	8

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55	Detection of p-Nitrophenol Using Molecularly Imprinted Colloidal Array. <i>Chinese Journal of Analytical Chemistry</i> , 2012, 40, 218-223.	0.9	7
56	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.	0.5	7
57	Preparation of free-standing two-dimensional colloidal crystal arrays. <i>Colloid and Polymer Science</i> , 2016, 294, 479-482.	1.0	7
58	Fluorescence imaging-based methods for single-cell protein analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4339-4347.	1.9	7
59	Design, Synthesis, and Biological Activity Studies of Istradefylline Derivatives Based on Adenine as A <sub>2A</sub> Receptor Antagonists. <i>ACS Omega</i> , 2021, 6, 4386-4394.	1.6	7
60	Rapid self-assembly preparation of p-nitrophenol-molecular imprinted photonic crystal sensors. <i>Microchemical Journal</i> , 2021, 164, 105950.	2.3	7
61	A Covalently Imprinted Photonic Crystal for Glucose Sensing. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-6.	1.5	6
62	Determination of trichlorfon in samples of spicy vegetables using a molecularly imprinted solid-phase extraction technique. <i>Analytical Methods</i> , 2015, 7, 2420-2424.	1.3	6
63	Design of a Multispherical Cavity Carbon with In Situ Silica Modifications and Its Self-Humidification Application on Fuel Cell Anode Support. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800314.	1.9	6
64	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.	1.6	6
65	Application of molecularly imprinted polymers for the solid-phase extraction of hexanitrohexaazaisowurtzitan (CL-20) from soil samples. <i>Analytical Methods</i> , 2016, 8, 4413-4420.	1.3	5
66	Interactions between acyclic CB[n]-type receptors and nitrated explosive materials. <i>Chemical Communications</i> , 2019, 55, 10635-10638.	2.2	5
67	Single-Cell Profiling of Fatty Acid Uptake Using Surface-Immobilized Dendrimers. <i>Journal of the American Chemical Society</i> , 2021, 143, 11191-11198.	6.6	5
68	Single-cell profiling of D-2-hydroxyglutarate using surface-immobilized resazurin analogs. <i>Biosensors and Bioelectronics</i> , 2021, 190, 113368.	5.3	5
69	Full-color natural rubber latex with a photonic nanostructure composite. <i>Chemical Communications</i> , 2020, 56, 9604-9607.	2.2	4
70	A cyclic peptide antenna ligand for enhancing terbium luminescence. <i>Analyst</i> , 2021, 146, 3474-3481.	1.7	4
71	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.	1.0	3
72	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 &amp; Engineering Data</i> , 2015, 60, 1683-1687.	1.0	3

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73	Investigation of Photostability of Istradefylline Aqueous Solution. <i>ChemistrySelect</i> , 2020, 5, 2337-2341.	0.7	3
74	Separation and identification of an impurity from the istradefylline intermediate. <i>RSC Advances</i> , 2020, 10, 14493-14499.	1.7	3
75	Mono-Sized Anion-Exchange Magnetic Microspheres for Protein Adsorption. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4963.	1.8	3
76	Characterization of Hydrazinium 3,5-Dinitroamine-1,2,4-triazole. <i>Journal of Energetic Materials</i> , 2014, 32, S60-S70.	1.0	2
77	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.	1.3	2
78	An efficient carbon catalyst supports with mesoporous graphene-like morphology. <i>Journal of Porous Materials</i> , 2018, 25, 913-921.	1.3	2
79	Solubility of Azilsartan in Methanol, Ethanol, Acetonitrile, <i>n</i> -Propanol, Isopropanol, Tetrahydrofuran, and Binary Solvent Mixtures between 293.15 and 333.15 K. <i>ACS Omega</i> , 2020, 5, 6141-6145.	1.6	2
80	Recent Advances in Preparation and Applications of 3D Transition Metal Oxides Semiconductor Photonic Crystal. <i>Advanced Photonics Research</i> , 2021, 2, 2000191.	1.7	2
81	Aptamer empowered hydrogels: Fabrication and bio-sensing applications. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	2
82	Design and synthesis of five-membered heterocyclic derivatives of istradefylline with comparable pharmacological activity. <i>Chemical Biology and Drug Design</i> , 2022, 100, 534-552.	1.5	2
83	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.	1.0	1
84	Understanding the relationships between molecule structure and imprinting effect of two acetyl-nitrogen heterocyclic compounds. <i>Journal of Molecular Recognition</i> , 2016, 29, 260-265.	1.1	1
85	Editorial: Chemical Sensors for Biomedical Use. <i>Frontiers in Chemistry</i> , 2021, 9, 685563.	1.8	1
86	Surface Immobilization of Redox-Labile Fluorescent Probes: Enabling Single-Cell Co-Profiling of Aerobic Glycolysis and Oncogenic Protein Signaling Activities. <i>Angewandte Chemie</i> , 2018, 130, 11728-11732.	1.6	0
87	Real-Time Analysis of AKT Signaling Activities at Single-Cell Resolution Using Cyclic Peptide-Based Probes. <i>Methods in Molecular Biology</i> , 2022, 2394, 65-80.	0.4	0