

# Zhuoying Xie

## List of Publications by Citations

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**Version:** 2024-04-29

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

53  
papers

2,797  
citations

25  
h-index

52  
g-index

57  
ext. papers

3,178  
ext. citations

10  
avg, IF

5.01  
L-index

#	Paper	IF	Citations
53	Bio-inspired variable structural color materials. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 3297-317	58.5	600
52	Bio-inspired vapor-responsive colloidal photonic crystal patterns by inkjet printing. <i>ACS Nano</i> , <b>2014</b> , 8, 11094-100	16.7	231
51	Bioinspired multicompartmental microfibers from microfluidics. <i>Advanced Materials</i> , <b>2014</b> , 26, 5184-90	24	188
50	Microfluidic synthesis of barcode particles for multiplex assays. <i>Small</i> , <b>2015</b> , 11, 151-74	11	159
49	Bioinspired multifunctional Janus particles for droplet manipulation. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 54-7	16.4	128
48	Photonic crystal microcapsules for label-free multiplex detection. <i>Advanced Materials</i> , <b>2014</b> , 26, 3270-4	24	117
47	Multifunctional photonic crystal barcodes from microfluidics. <i>NPG Asia Materials</i> , <b>2012</b> , 4, e25-e25	10.3	104
46	An optical nose chip based on mesoporous colloidal photonic crystal beads. <i>Advanced Materials</i> , <b>2014</b> , 26, 2413-8	24	103
45	Tailoring colloidal photonic crystals with wide viewing angles. <i>Small</i> , <b>2013</b> , 9, 2266-71	11	89
44	Microfluidic generation of magneto-responsive Janus photonic crystal particles. <i>Nanoscale</i> , <b>2013</b> , 5, 9553-7	7.7	78
43	Bioinspired angle-independent photonic crystal colorimetric sensing. <i>Chemical Communications</i> , <b>2013</b> , 49, 5331-3	5.8	74
42	Bio-inspired robust non-iridescent structural color with self-adhesive amorphous colloidal particle arrays. <i>Nanoscale</i> , <b>2018</b> , 10, 3673-3679	7.7	65
41	In situ synthesis of gold nanoparticles (AuNPs) in butterfly wings for surface enhanced Raman spectroscopy (SERS). <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 1607-1613	7.3	64
40	Streptavidin-Functionalized Three-Dimensional Ordered Nanoporous Silica Film for Highly Efficient Chemiluminescent Immunosensing. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 3991-3998	15.6	64
39	Rapid synthesis of monodisperse polymer spheres for self-assembled photonic crystals. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2007</b> , 302, 312-319	5.1	62
38	Multiresponsive Elastic Colloidal Crystals for Reversible Structural Color Patterns. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1902954	15.6	61
37	Bioinspired Kirigami Fish-Based Highly Stretched Wearable Biosensor for Human Biochemical/Physiological Hybrid Monitoring. <i>Advanced Materials Technologies</i> , <b>2018</b> , 3, 1700308	6.8	40

36	Hybrid mesoporous colloid photonic crystal array for high performance vapor sensing. <i>Nanoscale</i> , <b>2014</b> , 6, 5680-5	7.7	37
35	Periodic mesoporous hydridosilica--synthesis of an "impossible" material and its thermal transformation into brightly photoluminescent periodic mesoporous nanocrystal silicon-silica composite. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 5094-102	16.4	37
34	Self-Reporting Colorimetric Analysis of Drug Release by Molecular Imprinted Structural Color Contact Lens. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 34611-34617	9.5	37
33	Preparation of conducting polymer inverse opals and its application as ammonia sensor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2013</b> , 433, 59-63	5.1	36
32	Self-assembled coffee-ring colloidal crystals for structurally colored contact lenses. <i>Small</i> , <b>2015</b> , 11, 926-30	11	34
31	Self-assembled colloidal arrays for structural color. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 1672-1685	5.1	32
30	Anisotropic colloidal crystal particles from microfluidics. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 421, 64-70	9.3	28
29	Dual signal glucose reporter based on inverse opal conducting hydrogel films. <i>Soft Matter</i> , <b>2012</b> , 8, 4911-3.6	13.6	26
28	Carbon Inverse Opal Rods for Nonenzymatic Cholesterol Detection. <i>Small</i> , <b>2015</b> , 11, 5766-70	11	25
27	Photoluminescent Mesoporous Silicon Nanoparticles with siCCR2 Improve the Effects of Mesenchymal Stromal Cell Transplantation after Acute Myocardial Infarction. <i>Theranostics</i> , <b>2015</b> , 5, 1068-82	12.1	23
26	Polypyrrole hollow fiber for solid phase extraction. <i>Analyst, The</i> , <b>2012</b> , 137, 1846-52	5	23
25	Morphology, Migration, and Transcriptome Analysis of Schwann Cell Culture on Butterfly Wings with Different Surface Architectures. <i>ACS Nano</i> , <b>2018</b> , 12, 9660-9668	16.7	22
24	Effect of verbascoside on apoptosis and metastasis in human oral squamous cell carcinoma. <i>International Journal of Cancer</i> , <b>2018</b> , 143, 980-991	7.5	18
23	Transpiration-Inspired Fabrication of Opal Capillary with Multiple Heterostructures for Multiplex Aptamer-Based Fluorescent Assays. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 32577-32582	9.5	18
22	Surfactant-free HEMA crystal colloidal paint for structural color contact lens. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 5222-5227	7.3	17
21	Bioinspired Noniridescent Structural Color with Hidden Patterns for Anticounterfeiting. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 5752-5760	5.6	15
20	Robust, Highly Visible, and Facile Bioconjugation Colloidal Crystal Beads for Bioassay. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 29378-29384	9.5	15
19	Electrochemical Properties of a Boron-Doped Diamond Electrode Modified with Gold/Polyelectrolyte Hollow Spheres. <i>Electroanalysis</i> , <b>2009</b> , 21, 138-143	3	15

18	Clickable Colloidal Photonic Crystals for Structural Color Pattern. <i>Langmuir</i> , <b>2018</b> , 34, 13219-13224	4	15
17	Highly luminescent NIR-emitting CuFeS <sub>2</sub> /ZnS core/shell quantum dots for optical imaging of inflamed tissue. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 7279-7287	7.1	14
16	New strategy for surface functionalization of periodic mesoporous silica based on meso-HSiO <sub>1.5</sub> . <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 1178-81	16.4	11
15	Stretched photonic suspension array for label-free high-throughput assay. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 3309		11
14	Hydrogen activity tuning of Pt-doped WO <sub>3</sub> photonic crystal. <i>Thin Solid Films</i> , <b>2012</b> , 520, 4063-4067	2.2	10
13	Colloidal silica beads modified with quantum dots and zinc (II) tetraphenylporphyrin for colorimetric sensing of ammonia. <i>Mikrochimica Acta</i> , <b>2013</b> , 180, 85-91	5.8	9
12	Magnetic Encoding Plasmonic Janus Microbead-Based Suspension Array for High Sensitivity Multiplex Analysis. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1800343	4.6	9
11	Single-Step Fabrication of High-Throughput Surface-Enhanced Raman Scattering Substrates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 4222-4232	9.5	6
10	Macrophage-Derived Exosomal miR-31-5p Promotes Oral Squamous Cell Carcinoma Tumorigenesis Through the Large Tumor Suppressor 2-Mediated Hippo Signalling Pathway. <i>Journal of Biomedical Nanotechnology</i> , <b>2021</b> , 17, 822-837	4	6
9	Photonic crystal enhanced laser desorption and ionization substrate for detection of stress biomarkers under atmospheric pressure. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 908-914	7.3	5
8	A highly organic functionalized three-connected periodic mesoporous silica by Co-condensation with hydridosilica. <i>Microporous and Mesoporous Materials</i> , <b>2018</b> , 266, 177-182	5.3	4
7	Photo-bleaching immunity encoded photonic suspension array for label-free multiplex analysis. <i>Chemical Communications</i> , <b>2009</b> , 7012-4	5.8	3
6	High-quality substrate for fluorescence enhancement using agarose-coated silica opal film. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 4929-35	1.3	3
5	Robust Carbonated Structural Color Barcodes with Ultralow Ontology Fluorescence as Biomimic Culture Platform. <i>Research</i> , <b>2021</b> , 2021, 9851609	7.8	2
4	A thermally tunable inverse opal photonic crystal for monitoring glass transition. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 1984-7	1.3	1
3	Black Mesoporous TiO <sub>2</sub> Nanoparticles for Enhancing Surface Assisted Laser Desorption and Ionization in Mass Spectrum Analysis. <i>Advanced Materials Interfaces</i> , 2101157	4.6	1
2	Surface Plasmon Resonance: Magnetic Encoding Plasmonic Janus Microbead-Based Suspension Array for High Sensitivity Multiplex Analysis (Adv. Mater. Interfaces 19/2018). <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1870096	4.6	1
1	Multiresponsive Nanoparticles: Multiresponsive Elastic Colloidal Crystals for Reversible Structural Color Patterns (Adv. Funct. Mater. 39/2019). <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1970271	15.6	0

