Zhuoying Xie

List of Publications by Year in Descending Order

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	Robust Carbonated Structural Color Barcodes with Ultralow Ontology Fluorescence as Biomimic Culture Platform. *Research*, **2021**, 2021, 9851609	7.8	2
52	Macrophage-Derived Exosomal miR-31-5p Promotes Oral Squamous Cell Carcinoma Tumourigenesis Through the Large Tumor Suppressor 2-Mediated Hippo Signalling Pathway. *Journal of Biomedical Nanotechnology*, **2021**, 17, 822-837	4	6
51	Bioinspired Noniridescent Structural Color with Hidden Patterns for Anticounterfeiting. *ACS Applied Nano Materials*, **2019**, 2, 5752-5760	5.6	15
50	Photonic crystal enhanced laser desorption and ionization substrate for detection of stress biomarkers under atmospheric pressure. *Journal of Materials Chemistry B*, **2019**, 7, 908-914	7.3	5
49	Highly luminescent NIR-emitting CuFeS2/ZnS core/shell quantum dots for optical imaging of inflamed tissue. *Journal of Materials Chemistry C*, **2019**, 7, 7279-7287	7.1	14
48	Multiresponsive Elastic Colloidal Crystals for Reversible Structural Color Patterns. *Advanced Functional Materials*, **2019**, 29, 1902954	15.6	61
47	Multiresponsive Nanoparticles: Multiresponsive Elastic Colloidal Crystals for Reversible Structural Color Patterns (Adv. Funct. Mater. 39/2019). *Advanced Functional Materials*, **2019**, 29, 1970271	15.6	0
46	Self-assembled colloidal arrays for structural color. *Nanoscale Advances*, **2019**, 1, 1672-1685	5.1	32
45	Bio-inspired robust non-iridescent structural color with self-adhesive amorphous colloidal particle arrays. *Nanoscale*, **2018**, 10, 3673-3679	7.7	65
44	Bioinspired Kirigami Fish-Based Highly Stretched Wearable Biosensor for Human BiochemicalPhysiological Hybrid Monitoring. *Advanced Materials Technologies*, **2018**, 3, 1700308	6.8	40
43	Single-Step Fabrication of High-Throughput Surface-Enhanced Raman Scattering Substrates. *ACS Applied Materials & Interfaces*, **2018**, 10, 4222-4232	9.5	6
42	Effect of verbascoside on apoptosis and metastasis in human oral squamous cell carcinoma. *International Journal of Cancer*, **2018**, 143, 980-991	7.5	18
41	A highly organic functionalized three-connected periodic mesoporous silica by Co-condensation with hydridosilica. *Microporous and Mesoporous Materials*, **2018**, 266, 177-182	5.3	4
40	Robust, Highly Visible, and Facile Bioconjugation Colloidal Crystal Beads for Bioassay. *ACS Applied Materials & Interfaces*, **2018**, 10, 29378-29384	9.5	15
39	Morphology, Migration, and Transcriptome Analysis of Schwann Cell Culture on Butterfly Wings with Different Surface Architectures. *ACS Nano*, **2018**, 12, 9660-9668	16.7	22
38	Surface Plasmon Resonance: Magnetic Encoding Plasmonic Janus Microbead-Based Suspension Array for High Sensitivity Multiplex Analysis (Adv. Mater. Interfaces 19/2018). *Advanced Materials Interfaces*, **2018**, 5, 1870096	4.6	1
37	Clickable Colloidal Photonic Crystals for Structural Color Pattern. *Langmuir*, **2018**, 34, 13219-13224	4	15

36	Self-Reporting Colorimetric Analysis of Drug Release by Molecular Imprinted Structural Color Contact Lens. *ACS Applied Materials & Interfaces*, **2018**, 10, 34611-34617	9.5	37
35	Magnetic Encoding Plasmonic Janus Microbead-Based Suspension Array for High Sensitivity Multiplex Analysis. *Advanced Materials Interfaces*, **2018**, 5, 1800343	4.6	9
34	Transpiration-Inspired Fabrication of Opal Capillary with Multiple Heterostructures for Multiplex Aptamer-Based Fluorescent Assays. *ACS Applied Materials & Interfaces*, **2017**, 9, 32577-32582	9.5	18
33	Surfactant-free HEMA crystal colloidal paint for structural color contact lens. *Journal of Materials Chemistry B*, **2016**, 4, 5222-5227	7.3	17
32	Microfluidic synthesis of barcode particles for multiplex assays. *Small*, **2015**, 11, 151-74	11	159
31	Self-assembled coffee-ring colloidal crystals for structurally colored contact lenses. *Small*, **2015**, 11, 926-30	11	34
30	Carbon Inverse Opal Rods for Nonenzymatic Cholesterol Detection. *Small*, **2015**, 11, 5766-70	11	25
29	Photoluminescent Mesoporous Silicon Nanoparticles with siCCR2 Improve the Effects of Mesenchymal Stromal Cell Transplantation after Acute Myocardial Infarction. *Theranostics*, **2015**, 5, 1068-82	12.1	23
28	An optical nose chip based on mesoporous colloidal photonic crystal beads. *Advanced Materials*, **2014**, 26, 2413-8	24	103
27	Photonic crystal microcapsules for label-free multiplex detection. *Advanced Materials*, **2014**, 26, 3270-4	24	117
26	Hybrid mesoporous colloid photonic crystal array for high performance vapor sensing. *Nanoscale*, **2014**, 6, 5680-5	7.7	37
25	New strategy for surface functionalization of periodic mesoporous silica based on meso-HSiO1.5. *Journal of the American Chemical Society*, **2014**, 136, 1178-81	16.4	11
24	Bio-inspired vapor-responsive colloidal photonic crystal patterns by inkjet printing. *ACS Nano*, **2014**, 8, 11094-100	16.7	231
23	Bioinspired multicompartmental microfibers from microfluidics. *Advanced Materials*, **2014**, 26, 5184-90	24	188
22	Anisotropic colloidal crystal particles from microfluidics. *Journal of Colloid and Interface Science*, **2014**, 421, 64-70	9.3	28
21	Tailoring colloidal photonic crystals with wide viewing angles. *Small*, **2013**, 9, 2266-71	11	89
20	Microfluidic generation of magnetoresponsive Janus photonic crystal particles. *Nanoscale*, **2013**, 5, 9553-7	7.7	78
19	In situ synthesis of gold nanoparticles (AuNPs) in butterfly wings for surface enhanced Raman spectroscopy (SERS). *Journal of Materials Chemistry B*, **2013**, 1, 1607-1613	7.3	64

18	Bioinspired angle-independent photonic crystal colorimetric sensing. *Chemical Communications*, **2013**, 49, 5331-3	5.8	74
17	Colloidal silica beads modified with quantum dots and zinc (II) tetraphenylporphyrin for colorimetric sensing of ammonia. *Mikrochimica Acta*, **2013**, 180, 85-91	5.8	9
16	Preparation of conducting polymer inverse opals and its application as ammonia sensor. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2013**, 433, 59-63	5.1	36
15	Bioinspired multifunctional Janus particles for droplet manipulation. *Journal of the American Chemical Society*, **2013**, 135, 54-7	16.4	128
14	Hydrogen activity tuning of Pt-doped WO3 photonic crystal. *Thin Solid Films*, **2012**, 520, 4063-4067	2.2	10
13	Dual signal glucose reporter based on inverse opal conducting hydrogel films. *Soft Matter*, **2012**, 8, 4911	3.6	26
12	Polypyrrole hollow fiber for solid phase extraction. *Analyst, The*, **2012**, 137, 1846-52	5	23
11	Bio-inspired variable structural color materials. *Chemical Society Reviews*, **2012**, 41, 3297-317	58.5	600
10	Multifunctional photonic crystal barcodes from microfluidics. *NPG Asia Materials*, **2012**, 4, e25-e25	10.3	104
9	A thermally tunable inverse opal photonic crystal for monitoring glass transition. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 1984-7	1.3	1
8	Periodic mesoporous hydridosilica--synthesis of an "impossible" material and its thermal transformation into brightly photoluminescent periodic mesoporous nanocrystal silicon-silica composite. *Journal of the American Chemical Society*, **2011**, 133, 5094-102	16.4	37
7	High-quality substrate for fluorescence enhancement using agarose-coated silica opal film. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 4929-35	1.3	3
6	Electrochemical Properties of a Boron-Doped Diamond Electrode Modified with Gold/Polyelectrolyte Hollow Spheres. *Electroanalysis*, **2009**, 21, 138-143	3	15
5	Photo-bleaching immunity encoded photonic suspension array for label-free multiplex analysis. *Chemical Communications*, **2009**, 7012-4	5.8	3
4	Stretched photonic suspension array for label-free high-throughput assay. *Journal of Materials Chemistry*, **2008**, 18, 3309		11
3	Streptavidin-Functionalized Three-Dimensional Ordered Nanoporous Silica Film for Highly Efficient Chemiluminescent Immunosensing. *Advanced Functional Materials*, **2008**, 18, 3991-3998	15.6	64
2	Rapid synthesis of monodisperse polymer spheres for self-assembled photonic crystals. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2007**, 302, 312-319	5.1	62
1	Black Mesoporous TiO2 Nanoparticles for Enhancing Surface Assisted Laser Desorption and Ionization in Mass Spectrum Analysis. *Advanced Materials Interfaces*,2101157	4.6	1