Hong Xia

List of Publications by Year in Descending Order

90 papers	5,176 citations	38 h-index	71 g-index
97 ext. papers	6,040 ext. citations	7.5 avg, IF	5.7 L-index

#	Paper	IF	Citations
90	Smart Diffraction Gratings based on the Shape Memory Effect.. *Macromolecular Rapid Communications*, **2022**, e2100863	4.8	
89	2D covalent organic frameworks for photosynthesis of α-trifluoromethylated ketones from aromatic alkenes. *Applied Catalysis B: Environmental*, **2022**, 310, 121335	21.8	5
88	Programmable fabrication of a miniaturized photodetector with thermal stability via femtosecond laser direct writing.. *Optics Letters*, **2021**, 46, 6075-6078	3	3
87	Two-Photon Polymerization Nanomanufacturing Based on the Definition-Reinforcement-Solidification (DRS) Strategy. *Journal of Lightwave Technology*, **2021**, 39, 2091-2098	4	3
86	Highly Deformable High-Performance Paper-Based Perovskite Photodetector with Improved Stability. *ACS Applied Materials & Interfaces*, **2021**, 13, 31919-31927	9.5	10
85	Diyne-linked and fully π-conjugated polymetalloporphyrin nanosheets for outstanding heterogeneous catalysis. *Science Bulletin*, **2021**, 66, 354-361	10.6	3
84	Bandgap engineering in benzotrithiophene-based conjugated microporous polymers: a strategy for screening metal-free heterogeneous photocatalysts. *Journal of Materials Chemistry A*, **2021**, 9, 3333-3340	13	21
83	Laser digital manufacturing of high-performance photodetectors based on a semiconductor microwire. *Optics Letters*, **2021**, 46, 3472-3475	3	1
82	Photopolymerization strategy for the preparation of small-diameter artificial blood vessels with micro-nano structures on the inner wall. *Biomedical Optics Express*, **2021**, 12, 5844-5854	3.5	0
81	Light-Emitting Conjugated Organic Polymer as an Efficient Fluorescent Probe for Cu Ions Detection and Cell Imaging. *Macromolecular Rapid Communications*, **2021**, 42, e2100469	4.8	4
80	Amide-linked covalent organic frameworks as efficient heterogeneous photocatalysts in water. *Chinese Journal of Catalysis*, **2021**, 42, 2010-2019	11.3	13
79	Multifunctional chiral cationic porous organic polymers: gas uptake and heterogeneous asymmetric organocatalysis. *Polymer Chemistry*, **2021**, 12, 3367-3374	4.9	1
78	Shape-Designable and Size-Tunable Organic–Inorganic Hybrid Perovskite Micro-Ring Resonator Arrays. *Advanced Materials Technologies*, **2020**, 5, 2000051	6.8	3
77	Controllably fabricated single microwires from Pd-WO3·H2O nanoparticles by femtosecond laser for faster response ammonia sensors at room temperature. *Sensors and Actuators B: Chemical*, **2020**, 316, 128122	8.5	4
76	Perovskite Single-Crystal Microwire-Array Photodetectors with Performance Stability beyond 1 Year. *Advanced Materials*, **2020**, 32, e2001998	24	70
75	Microsensor Based on Gold Nanoparticles for Fast and Sensitive Ortho-Xylene Detection. *IEEE Sensors Journal*, **2020**, 20, 12552-12557	4	2
74	Screening metal-free photocatalysts from isomorphic covalent organic frameworks for the C-3 functionalization of indoles. *Journal of Materials Chemistry A*, **2020**, 8, 8706-8715	13	27

73	Room-temperature fabrication of SiC microwire photodetectors on rigid and flexible substrates femtosecond laser direct writing. *Nanoscale*, **2020**, 12, 23200-23205	7.7	5
72	Ingenious humidity-powered micro-worm with asymmetric biped from single hydrogel. *Sensors and Actuators B: Chemical*, **2020**, 322, 128620	8.5	7
71	Light-emitting conjugated microporous polymers based on an excited-state intramolecular proton transfer strategy and selective switch-off sensing of anions. *Materials Chemistry Frontiers*, **2020**, 4, 3040-3046	7.8	11
70	Fast-response humidity sensor based on laser printing for respiration monitoring.. *RSC Advances*, **2020**, 10, 8910-8916	3.7	20
69	Conjugated Microporous Polymers as Heterogeneous Photocatalysts for Efficient Degradation of a Mustard-Gas Simulant. *ACS Applied Materials & Interfaces*, **2019**, 11, 37578-37585	9.5	26
68	Template-confined growth of Ruddlesden-Popper perovskite micro-wire arrays for stable polarized photodetectors. *Nanoscale*, **2019**, 11, 18272-18281	7.7	21
67	Precise Construction of Cell-Instructive 3D Microenvironments by Photopatterning a Biodegradable Hydrogel. *Chemistry of Materials*, **2019**, 31, 4710-4719	9.6	30
66	Gold nanoparticle densely packed micro/nanowire-based pressure sensors for human motion monitoring and physiological signal detection. *Nanoscale*, **2019**, 11, 4925-4932	7.7	24
65	Covalent organic framework as an efficient, metal-free, heterogeneous photocatalyst for organic transformations under visible light. *Applied Catalysis B: Environmental*, **2019**, 245, 334-342	21.8	115
64	Construction of donor-acceptor type conjugated microporous polymers: A fascinating strategy for the development of efficient heterogeneous photocatalysts in organic synthesis. *Applied Catalysis B: Environmental*, **2019**, 244, 36-44	21.8	65
63	Stretchable PEG-DA Hydrogel-Based Whispering-Gallery-Mode Microlaser with Humidity Responsiveness. *Journal of Lightwave Technology*, **2018**, 36, 819-824	4	12
62	Covalent organic frameworks: efficient, metal-free, heterogeneous organocatalysts for chemical fixation of CO2 under mild conditions. *Journal of Materials Chemistry A*, **2018**, 6, 374-382	13	169
61	Flexible pressure sensor based on PVDF nanofiber. *Sensors and Actuators A: Physical*, **2018**, 280, 319-325	3.9	42
60	Mirror-rotation-symmetrical single-focus spiral zone plates. *Optics Letters*, **2018**, 43, 3116-3119	3	9
59	Cationic porous organic polymers as an excellent platform for highly efficient removal of pollutants from water. *Journal of Materials Chemistry A*, **2018**, 6, 20653-20658	13	60
58	Actuation From Directional Deformation Based on Composite Hydrogel for Moisture-Controllable Devices. *IEEE Sensors Journal*, **2018**, 18, 8796-8802	4	2
57	Micro/Nano-Texturing Inner Surfaces of Small-Caliber High Aspect Ratio and Superhydrophobic Artificial Vessels using Femtosecond Laser Filamenting Pulses. *Advanced Materials Interfaces*, **2018**, 5, 1801148	4.6	4
56	Sensitively Humidity-Driven Actuator Based on Photopolymerizable PEG-DA Films. *Advanced Materials Interfaces*, **2017**, 4, 1601002	4.6	70

55	Robust porous organic polymers as efficient heterogeneous organo-photocatalysts for aerobic oxidation reactions. *Journal of Materials Chemistry A*, **2017**, 5, 8697-8704	13	72
54	Covalent organic frameworks as metal-free heterogeneous photocatalysts for organic transformations. *Journal of Materials Chemistry A*, **2017**, 5, 22933-22938	13	124
53	Photothermal Surface Plasmon Resonance and Interband Transition-Enhanced Nanocomposite Hydrogel Actuators with Hand-Like Dynamic Manipulation. *Advanced Optical Materials*, **2017**, 5, 1700442	8.1	42
52	Covalent organic frameworks as pH responsive signaling scaffolds. *Chemical Communications*, **2016**, 52, 11088-91	5.8	90
51	Integrated optofluidic-microfluidic twin channels: toward diverse application of lab-on-a-chip systems. *Scientific Reports*, **2016**, 6, 19801	4.9	16
50	Metalloporphyrin-Based Hypercrosslinked Polymers Catalyze Hetero-Diels-Alder Reactions of Unactivated Aldehydes with Simple Dienes: A Fascinating Strategy for the Construction of Heterogeneous Catalysts. *Chemistry - A European Journal*, **2016**, 22, 9919-22	4.8	44
49	Fabrication and manipulation of magnetic composite particles with specific shape and size. *Chemical Research in Chinese Universities*, **2016**, 32, 1052-1056	2.2	
48	A robust and luminescent covalent organic framework as a highly sensitive and selective sensor for the detection of Cu(2+) ions. *Chemical Communications*, **2016**, 52, 6613-6	5.8	243
47	Preparation of a FeO-Au-GO nanocomposite for simultaneous treatment of oil/water separation and dye decomposition. *Nanoscale*, **2016**, 8, 17451-17457	7.7	14
46	Solvent-tunable PDMS microlens fabricated by femtosecond laser direct writing. *Journal of Materials Chemistry C*, **2015**, 3, 1751-1756	7.1	48
45	Moisture-responsive graphene paper prepared by self-controlled photoreduction. *Advanced Materials*, **2015**, 27, 332-8	24	176
44	Monolayer II-VI semiconductors: A first-principles prediction. *Physical Review B*, **2015**, 92,	3.3	160
43	Triarylboron-Linked Conjugated Microporous Polymers: Sensing and Removal of Fluoride Ions. *Chemistry - A European Journal*, **2015**, 21, 17355-62	4.8	82
42	Controllable assembly of silver nanoparticles induced by femtosecond laser direct writing. *Science and Technology of Advanced Materials*, **2015**, 16, 024805	7.1	21
41	Graphene: Moisture-Responsive Graphene Paper Prepared by Self-Controlled Photoreduction (Adv. Mater. 2/2015). *Advanced Materials*, **2015**, 27, 190-190	24	
40	Photoreduction of Graphene Oxides: Methods, Properties, and Applications. *Advanced Optical Materials*, **2014**, 2, 10-28	8.1	191
39	A porphyrin-linked conjugated microporous polymer with selective carbon dioxide adsorption and heterogeneous organocatalytic performances. *RSC Advances*, **2014**, 4, 6447	3.7	57
38	Bioinspired Fabrication of Superhydrophobic Graphene Films by Two-Beam Laser Interference. *Advanced Functional Materials*, **2014**, 24, 4595-4602	15.6	100

37	Highly efficient and reversible iodine capture using a metalloporphyrin-based conjugated microporous polymer. *Chemical Communications*, **2014**, 50, 8495-8	5.8	162
36	Highly Stable On-Chip Embedded Organic Whispering Gallery Mode Lasers. *Journal of Lightwave Technology*, **2014**, 32, 2415-2419	4	20
35	A 2D azine-linked covalent organic framework for gas storage applications. *Chemical Communications*, **2014**, 50, 13825-8	5.8	264
34	Laser-Mediated Programmable N Doping and Simultaneous Reduction of Graphene Oxides. *Advanced Optical Materials*, **2014**, 2, 120-125	8.1	54
33	One-pot preparation of novel asymmetric structure nanoparticles and its application in catalysis. *RSC Advances*, **2014**, 4, 43586-43589	3.7	7
32	Gas uptake, molecular sensing and organocatalytic performances of a multifunctional carbazole-based conjugated microporous polymer. *Journal of Materials Chemistry A*, **2014**, 2, 13422-13430	13	121
31	Mechanical stretch for tunable wetting from topological PDMS film. *Soft Matter*, **2013**, 9, 4236	3.6	31
30	Triarylboron-based fluorescent conjugated microporous polymers. *RSC Advances*, **2013**, 3, 21267	3.7	27
29	Programmable assembly of CdTe quantum dots into microstructures by femtosecond laser direct writing. *Journal of Materials Chemistry C*, **2013**, 1, 4699	7.1	22
28	Fabrication and multifunction integration of microfluidic chips by femtosecond laser direct writing. *Lab on A Chip*, **2013**, 13, 1677-90	7.2	136
27	Enhanced carbon dioxide uptake by metalloporphyrin-based microporous covalent triazine framework. *Polymer Chemistry*, **2013**, 4, 2445	4.9	99
26	Recent developments in superhydrophobic surfaces with unique structural and functional properties. *Soft Matter*, **2012**, 8, 11217	3.6	295
25	Synthesis, structure, and luminescence of rhenium(I) complexes with substituted bipyridines. *Journal of Coordination Chemistry*, **2012**, 65, 1266-1277	1.6	4
24	Polarization dependent two-photon properties in an organic crystal. *Applied Physics Letters*, **2010**, 97, 101101	3.4	20
23	A facile approach for artificial biomimetic surfaces with both superhydrophobicity and iridescence. *Soft Matter*, **2010**, 6, 263-267	3.6	69
22	Amplified spontaneous emission in the cyano-substituted oligo(p-phenylenevinylene) organic crystals: Effect of excitation wavelength. *Applied Physics Letters*, **2010**, 96, 103508	3.4	20
21	Efficient two-photon excited amplified spontaneous emission from organic single crystals. *ChemPhysChem*, **2010**, 11, 1871-5	3.2	2
20	Ferrofluids for fabrication of remotely controllable micro-nanomachines by two-photon polymerization. *Advanced Materials*, **2010**, 22, 3204-7	24	178

19	Direct imprinting of microcircuits on graphene oxides film by femtosecond laser reduction. *Nano Today*, **2010**, 5, 15-20	17.9	393
18	Designable 3D nanofabrication by femtosecond laser direct writing. *Nano Today*, **2010**, 5, 435-448	17.9	377
17	Flexible nanowiring of metal on nonplanar substrates by femtosecond-laser-induced electroless plating. *Small*, **2010**, 6, 1762-6	11	98
16	Self-organization of polymer nanoneedles into large-area ordered flowerlike arrays. *Applied Physics Letters*, **2009**, 95, 091902	3.4	31
15	Three-dimensional micronanofabrication via two-photon-excited photoisomerization. *Applied Physics Letters*, **2009**, 95, 083118	3.4	10
14	Two-photon induced amplified spontaneous emission from needlelike triphenylamine-containing derivative crystals with low threshold. *Applied Physics Letters*, **2009**, 94, 201113	3.4	39
13	Synthesis, structure and luminescent properties of zinc(II) and Hg(II) complexes with substituted 1,10-phenanthroline. *Journal of Coordination Chemistry*, **2009**, 62, 400-409	1.6	6
12	Band-Gap-Controllable Photonic Crystals Consisting of Magnetic Nanocrystal Clusters in a Solidified Polymer Matrix. *Journal of Physical Chemistry C*, **2009**, 113, 18542-18545	3.8	30
11	Remote manipulation of micronanomachines containing magnetic nanoparticles. *Optics Letters*, **2009**, 34, 581-3	3	74
10	100% Fill-Factor Aspheric Microlens Arrays (AMLA) With Sub-20-nm Precision. *IEEE Photonics Technology Letters*, **2009**, 21, 1535-1537	2.2	48
9	Electroluminescent Properties of a Schiff-Base Aluminum Complex in Single Layer Polymer Light-Emitting Diodes. *Journal of Chemical Research*, **2008**, 2008, 581-583	0.6	
8	Boron Complexes with Chelating Anilido-Imine Ligands: Synthesis, Structures and Luminescent Properties. *European Journal of Inorganic Chemistry*, **2007**, 2007, 1808-1814	2.3	43
7	Phase lenses and mirrors created by laser micronanofabrication via two-photon photopolymerization. *Applied Physics Letters*, **2007**, 91, 171105	3.4	44
6	Synthesis, Structures, and Luminescent Properties of Aluminum Complexes with Chelating Anilido-Imine Ligands. *European Journal of Inorganic Chemistry*, **2006**, 2006, 1216-1222	2.3	26
5	Synthesis, Structures, and Luminescent Properties of d10 Group 12 Metal Complexes with Substituted 2,2?-Bipyridine Ligands. *European Journal of Inorganic Chemistry*, **2006**, 2006, 4317-4323	2.3	20
4	Synthesis and Photophysical Properties of π-Conjugated Polymers Incorporated with Phosphorescent Rhenium(I) Chromophores in the Backbones. *Journal of Physical Chemistry B*, **2004**, 108, 13185-13190	3.4	42
3	Fully π-conjugated, diyne-linked covalent organic frameworks formed via alkyne–alkyne cross-coupling reaction. *Materials Chemistry Frontiers*,	7.8	2
2	Hypercrosslinking chiral Brønsted acids into porous organic polymers for efficient heterogeneous asymmetric organosynthesis. *Journal of Materials Chemistry A*,	13	0

1	Curved Photodetectors Based on Perovskite Microwire Arrays via In Situ Conformal Nanoimprinting. *Advanced Functional Materials*,2202277	15.6	5