

Hua Xu

List of Publications by Year in descending order

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26
papers

905
citations

567281

15
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

1554
citing authors

#	ARTICLE	IF	CITATIONS
1	Photonic crystal for gas sensing. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6087.	5.5	134
2	A multifunctional wearable sensor based on a graphene/inverse opal cellulose film for simultaneous, <i>in situ</i> monitoring of human motion and sweat. <i>Nanoscale</i> , 2018, 10, 2090-2098.	5.6	130
3	Multifunctional Wearable Sensing Devices Based on Functionalized Graphene Films for Simultaneous Monitoring of Physiological Signals and Volatile Organic Compound Biomarkers. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11785-11793.	8.0	85
4	Bioinspired Kirigami Fish-Based Highly Stretched Wearable Biosensor for Human Biochemical Physiological Hybrid Monitoring. <i>Advanced Materials Technologies</i> , 2018, 3, 1700308.	5.8	69
5	Magnetochromatic Microcapsule Arrays for Displays. <i>Advanced Functional Materials</i> , 2011, 21, 2043-2048.	14.9	59
6	Adjustable dual temperature-sensitive hydrogel based on a self-assembly cross-linking strategy with highly stretchable and healable properties. <i>Materials Horizons</i> , 2021, 8, 1189-1198.	12.2	56
7	Bio-inspired stimuli-responsive graphene oxide fibers from microfluidics. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15026-15030.	10.3	54
8	Composite Multifunctional Micromotors from Droplet Microfluidics. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34618-34624.	8.0	42
9	Preparation of conducting polymer inverse opals and its application as ammonia sensor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 433, 59-63.	4.7	41
10	Core-satellite metal-organic framework@upconversion nanoparticle superstructures via electrostatic self-assembly for efficient photodynamic theranostics. <i>Nano Research</i> , 2020, 13, 3377-3386.	10.4	38
11	Spherical Porphyrin Sensor Array Based on Encoded Colloidal Crystal Beads for VOC Vapor Detection. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 6752-6757.	8.0	26
12	Colorimetric-Based Detection of TNT Explosives Using Functionalized Silica Nanoparticles. <i>Sensors</i> , 2015, 15, 12891-12905.	3.8	26
13	Controlling the morphology and optoelectronic properties of graphene hybrid materials by porphyrin interactions. <i>Chemical Communications</i> , 2014, 50, 8951.	4.1	25
14	Dual-Mode Wearable Strain Sensor Based on Graphene/Colloidal Crystal Films for Simultaneously Detection of Subtle and Large Human Motions. <i>Advanced Materials Technologies</i> , 2020, 5, 1901056.	5.8	23
15	Wearable Strain Sensor Based on Double-Layer Graphene Fabrics for Real-Time, Continuous Acquisition of Human Pulse Signal in Daily Activities. <i>Advanced Materials Technologies</i> , 2021, 6, 2001071.	5.8	18
16	Face-to-Face Alignment of Porphyrin/Fullerene Nanowires Linked by Axial Metal Coordination. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 2125-2131.	2.2	15
17	Recent biomedical applications of bio-sourced materials. <i>Bio-Design and Manufacturing</i> , 2018, 1, 26-44.	7.7	13
18	Colloidal Crystal Beads Composed of Core-Shell Particles for Multiplex Bioassay. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 2586-2591.	0.9	10

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19	Colloidal silica beads modified with quantum dots and zinc (II) tetraphenylporphyrin for colorimetric sensing of ammonia. <i>Mikrochimica Acta</i> , 2013, 180, 85-91.	5.0	10
20	Using Transmissive Photonic Band Edge Shift to Detect Explosives: A Study with 2,4,6-Trinitrotoluene (TNT). <i>ACS Photonics</i> , 2017, 4, 384-395.	6.6	8
21	Synthesis of wrinkled graphene hybrids for enhanced visible-light photocatalytic activities. <i>RSC Advances</i> , 2016, 6, 45617-45623.	3.6	6
22	Synthesis of a Series of meso-substituted Zinc Porphyrin Derivatives and their Assembly Dyad with Fulleropyrrolidine. <i>Supramolecular Chemistry</i> , 2007, 19, 365-376.	1.2	5
23	Fluorescence Quenching Study of Zinc Bisporphyrins by Fulleropyrrolidines and Their N-Oxides. <i>Chinese Journal of Chemistry</i> , 2006, 24, 1589-1593.	4.9	4
24	Effect of uncultured adipose-derived stromal vascular fraction on preventing urethral stricture formation in rats. <i>Scientific Reports</i> , 2022, 12, 3573.	3.3	4
25	Displays: Magnetochromatic Microcapsule Arrays for Displays (<i>Adv. Funct. Mater.</i> 11/2011). <i>Advanced Functional Materials</i> , 2011, 21, 1950-1950.	14.9	2
26	Colorimetric-based Detection of TNT Explosives Using Functionalized Silica Nanoparticles. <i>Procedia Technology</i> , 2017, 27, 312-314.	1.1	2