

Zhandong huang

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

1,623
citations

430442

18
h-index

301761

39
g-index

57
all docs

57
docs citations

57
times ranked

2273
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Controllable printing of large-scale compact perovskite films for flexible photodetectors. <i>Nano Research</i> , 2022, 15, 1547-1553. | 5.8 | 30 |
| 2 | A New Class of Electronic Devices Based on Flexible Porous Substrates. <i>Advanced Science</i> , 2022, 9, e2105084. | 5.6 | 40 |
| 3 | Negative Refraction Acoustic Lens Based on Elastic Shell Encapsulated Bubbles. <i>Advanced Materials Technologies</i> , 2022, 7, . | 3.0 | 7 |
| 4 | Vapor-Induced Liquid Collection and Microfluidics on Superlyophilic Substrates. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3454-3462. | 4.0 | 8 |
| 5 | A Bubble-Assisted Approach for Patterning Nanoscale Molecular Aggregates. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16547-16553. | 7.2 | 14 |
| 6 | A Bubble-Assisted Approach for Patterning Nanoscale Molecular Aggregates. <i>Angewandte Chemie</i> , 2021, 133, 16683-16689. | 1.6 | 0 |
| 7 | Magnetic-actuated "capillary container" for versatile three-dimensional fluid interface manipulation. <i>Science Advances</i> , 2021, 7, . | 4.7 | 19 |
| 8 | Tunable Fluid-Type Metasurface for Wide-Angle and Multifrequency Water-Air Acoustic Transmission. <i>Research</i> , 2021, 2021, 9757943. | 2.8 | 13 |
| 9 | Lotus Metasurface for Wide-Angle Intermediate-Frequency Water-Air Acoustic Transmission. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 53242-53251. | 4.0 | 15 |
| 10 | Bioinspired Patterned Bubbles for Broad and Low-Frequency Acoustic Blocking. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1757-1764. | 4.0 | 35 |
| 11 | Recognition and location of motile microorganisms by shape-matching photoluminescence micropatterns. <i>Lab on A Chip</i> , 2020, 20, 2975-2980. | 3.1 | 0 |
| 12 | Evaporation Induced Spontaneous Micro-Vortexes through Engineering of the Marangoni Flow. <i>Angewandte Chemie</i> , 2020, 132, 23892-23897. | 1.6 | 1 |
| 13 | Frontispiz: Non-Lithography Hydrodynamic Printing of Micro/Nanostructures on Curved Surfaces. <i>Angewandte Chemie</i> , 2020, 132, . | 1.6 | 0 |
| 14 | Evaporation Induced Spontaneous Micro-Vortexes through Engineering of the Marangoni Flow. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23684-23689. | 7.2 | 16 |
| 15 | Frontispiece: Non-Lithography Hydrodynamic Printing of Micro/Nanostructures on Curved Surfaces. <i>Angewandte Chemie - International Edition</i> , 2020, 59, . | 7.2 | 0 |
| 16 | Traveling Sound Wave with Transverse Particle Velocity in a Metawaveguide by Using a Phase-Reversible Metasurface. <i>Physical Review Applied</i> , 2020, 14, . | 1.5 | 5 |
| 17 | Printed High-Density and Flexible Photodetector Arrays via Size-Matched Heterogeneous Micro-Nanostructure. <i>Advanced Optical Materials</i> , 2020, 8, 2000370. | 3.6 | 9 |
| 18 | Ring-Patterned Perovskite Single Crystals Fabricated by the Combination of Rigid and Flexible Templates. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27786-27793. | 4.0 | 3 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Bio-inspired vertebral design for scalable and flexible perovskite solar cells. Nature Communications, 2020, 11, 3016. | 5.8 | 173 |
| 20 | Non-Contact Lithography Hydrodynamic Printing of Micro/Nanostructures on Curved Surfaces. Angewandte Chemie - International Edition, 2020, 59, 14234-14240. | 7.2 | 17 |
| 21 | Non-Contact Lithography Hydrodynamic Printing of Micro/Nanostructures on Curved Surfaces. Angewandte Chemie, 2020, 132, 14340-14346. | 1.6 | 0 |
| 22 | Inkjet Printing of a Micro/Nanopatterned Surface to Serve as Microreactor Arrays. ACS Applied Materials & Interfaces, 2020, 12, 30962-30971. | 4.0 | 16 |
| 23 | Controllable Growth of High-Quality Inorganic Perovskite Microplate Arrays for Functional Optoelectronics. Advanced Materials, 2020, 32, e1908006. | 11.1 | 66 |
| 24 | Omnidirectional Photodetectors Based on Spatial Resonance Asymmetric Facade via a 3D Self-Organizing Strategy. Advanced Materials, 2020, 32, e1907280. | 11.1 | 14 |
| 25 | Photodetectors: Omnidirectional Photodetectors Based on Spatial Resonance Asymmetric Facade via a 3D Self-Organizing Strategy (Adv. Mater. 16/2020). Advanced Materials, 2020, 32, 2070128. | 11.1 | 0 |
| 26 | In Situ Inkjet Printing of the Perovskite Single-Crystal Array-Embedded Polydimethylsiloxane Film for Wearable Light-Emitting Devices. ACS Applied Materials & Interfaces, 2020, 12, 22157-22162. | 4.0 | 53 |
| 27 | Water-Resistant and Flexible Perovskite Solar Cells via a Glued Interfacial Layer. Advanced Functional Materials, 2019, 29, 1902629. | 7.8 | 89 |
| 28 | Steerable Droplet Bouncing for Precise Materials Transportation. Advanced Materials Interfaces, 2019, 6, 1901033. | 1.9 | 35 |
| 29 | Bubble Architectures for Locally Resonant Acoustic Metamaterials. Advanced Functional Materials, 2019, 29, 1906984. | 7.8 | 56 |
| 30 | Nacre-inspired crystallization and elastic brick-and-mortar structure for a wearable perovskite solar module. Energy and Environmental Science, 2019, 12, 979-987. | 15.6 | 114 |
| 31 | Domino Patterning of Water and Oil Induced by Emulsion Breaking. ACS Applied Materials & Interfaces, 2019, 11, 17960-17967. | 4.0 | 1 |
| 32 | Fully Printed Flexible Crossbar Memory Devices with Tip-Enhanced Micro/Nanostructures. Advanced Electronic Materials, 2019, 5, 1900131. | 2.6 | 8 |
| 33 | Fully Printed Geranium-Inspired Encapsulated Arrays for Quantitative Odor Releasing. ACS Omega, 2019, 4, 19977-19982. | 1.6 | 4 |
| 34 | Soft Acoustic Metamaterials: Bubble Architectures for Locally Resonant Acoustic Metamaterials (Adv. Tj ETQq0 0 0 rgBT /Overlock 10 T | 7.8 | 6 |
| 35 | Heterogeneous Integration of Three-Primary-Color Photoluminescent Nanoparticle Arrays with Defined Interfaces. ACS Applied Materials & Interfaces, 2019, 11, 1616-1623. | 4.0 | 12 |
| 36 | Patterned Arrays of Functional Lateral Heterostructures via Sequential Template-Directed Printing. Small, 2018, 14, e1800792. | 5.2 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | A 3D Self-Organizing Strategy for Nanoresolution Multicomponent Architectures. <i>Advanced Materials</i> , 2018, 30, 1703963. | 11.1 | 39 |
| 38 | A general strategy for printing colloidal nanomaterials into one-dimensional micro/nanolines. <i>Nanoscale</i> , 2018, 10, 22374-22380. | 2.8 | 20 |
| 39 | Patterning Bubbles by the Stick-Slip Motion of the Advancing Triple Phase Line on Nanostructures. <i>Langmuir</i> , 2018, 34, 15804-15811. | 1.6 | 5 |
| 40 | A general printing approach for scalable growth of perovskite single-crystal films. <i>Science Advances</i> , 2018, 4, eaat2390. | 4.7 | 150 |
| 41 | Microfiber-Knitted Crossweave Patterns for Multiresolution Physical Kinetics Analysis Electronics. <i>Advanced Materials Technologies</i> , 2018, 3, 1800107. | 3.0 | 9 |
| 42 | A General Approach for Fluid Patterning and Application in Fabricating Microdevices. <i>Advanced Materials</i> , 2018, 30, e1802172. | 11.1 | 36 |
| 43 | A general patterning approach by manipulating the evolution of two-dimensional liquid foams. <i>Nature Communications</i> , 2017, 8, 14110. | 5.8 | 99 |
| 44 | Swarm Intelligence-Inspired Spontaneous Fabrication of Optimal Interconnect at the Micro/Nanoscale. <i>Advanced Materials</i> , 2017, 29, 1605223. | 11.1 | 35 |
| 45 | Bioinspired Anti-Moiré Random Grids via Patterning Foams. <i>Advanced Optical Materials</i> , 2017, 5, 1700751. | 3.6 | 17 |
| 46 | Wearable Large-Scale Perovskite Solar Power Source via Nanocellular Scaffold. <i>Advanced Materials</i> , 2017, 29, 1703236. | 11.1 | 152 |
| 47 | Wearable Electronics: Wearable Large-Scale Perovskite Solar Power Source via Nanocellular Scaffold (<i>Adv. Mater.</i> 42/2017). <i>Advanced Materials</i> , 2017, 29, . | 11.1 | 0 |
| 48 | Nanoparticle Based Curve Arrays for Multirecognition Flexible Electronics. <i>Advanced Materials</i> , 2016, 28, 1369-1374. | 11.1 | 153 |
| 49 | Gas/liquid interfacial manipulation by electrostatic inducing for nano-resolution printed circuits. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10847-10851. | 2.7 | 5 |
| 50 | Synthesis and Structures of Silver(I) Adducts with 4-Amino-3,5-diisobutyl-4H-1,2,4-triazole: The Identification of a New Type of Ag ₃ tz ₆ Cluster. <i>Journal of Cluster Science</i> , 2013, 24, 61-71. | 1.7 | 5 |
| 51 | Synthesis and crystal structures of copper(II) and silver(I) complexes of a biphenyl-bridged bipyrazolyl ligand. <i>Transition Metal Chemistry</i> , 2012, 37, 595-600. | 0.7 | 5 |
| 52 | Synthesis and Crystal Structures of Copper(II), Zinc(II), Lead(II) and Cadmium(II) Tetrazole-5-carboxylate Complexes Generated via in situ Hydrolysis Reaction. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2010, 65, 1467-1471. | 0.3 | 5 |
| 53 | Poly[[tris(N,N-dimethylformamide)(1/4-5-nitroisophthalato)(1/4-3-5-nitroisophthalato)dicobalt(II)]N,N-dimethylformamide monosolvate]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, m1220-m1221. | 0.2 | 0 |
| 54 | 3,5-Bis(4-methoxyphenyl)-4H-1,2,4-triazol-4-amine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o2236-o2236. | 0.2 | 0 |