

Jiangang Feng

List of Publications by Year in descending order

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45
papers

2,131
citations

257429

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243610

44
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all docs

45
docs citations

45
times ranked

2707
citing authors

#	ARTICLE	IF	CITATIONS
1	Controllable vortex lasing arrays in a geometrically frustrated excitonâ€“polariton lattice at room temperature. National Science Review, 2023, 10, .	9.5	8
2	Longâ€“Rangeâ€“Ordered Assembly of Microâ€“Nanostructures at Superwetting Interfaces. Advanced Materials, 2022, 34, e2106857.	21.0	21
3	Singleâ€“Crystalline Organic Oneâ€“Dimensional Microarrays toward Highâ€“Performing Phototransistors. Advanced Materials Technologies, 2022, 7, .	5.8	4
4	Ultrasensitive Photodetectors Based on Strongly Interacted Layered-Perovskite Nanowires. ACS Applied Materials & Interfaces, 2022, 14, 1601-1608.	8.0	8
5	Magnetic Domain Confined Printing of Programmable Organic Microcrystal Assemblies for Information Encryption. Advanced Materials, 2022, 34, e2108279.	21.0	8
6	Nonlinear polariton parametric emission in an atomically thin semiconductor based microcavity. Nature Nanotechnology, 2022, 17, 396-402.	31.5	32
7	Leadâ€“Free Chiral 2D Double Perovskite Microwire Arrays for Circularly Polarized Light Detection. Advanced Optical Materials, 2022, 10, .	7.3	21
8	Confined Assembly of Colloidal Nanorod Superstructures by Locally Controlling Freeâ€“Volume Entropy in Nonequilibrium Fluids. Advanced Materials, 2022, 34, e2202119.	21.0	5
9	Reversible phase transition for switchable second harmonic generation in 2D perovskite microwires. SmartMat, 2022, 3, 657-667.	10.7	8
10	Strong Inâ€“Plane Anisotropy and Giant Second Harmonic Generation Response of Organic Singleâ€“Crystalline Microwire Arrays. Advanced Optical Materials, 2022, 10, .	7.3	6
11	One-Step Patterning of Organic Semiconductors on Gold Electrodes via Capillary-Bridge Manipulation. ACS Applied Materials & Interfaces, 2022, 14, 32761-32770.	8.0	4
12	Solution processed 1D polymer/SWCNT composite arrays for high-performance field effect transistors. Journal of Materials Chemistry C, 2021, 9, 6597-6604.	5.5	2
13	Scalable Singleâ€“Crystalline Organic 1D Arrays for Image Sensor. Small, 2021, 17, e2100332.	10.0	16
14	Giant enhancement of optical nonlinearity in two-dimensional materials by multiphoton-excitation resonance energy transfer from quantum dots. Nature Photonics, 2021, 15, 510-515.	31.4	50
15	Chiral 2D-Perovskite Nanowires for Stokes Photodetectors. Journal of the American Chemical Society, 2021, 143, 8437-8445.	13.7	91
16	Optical and electrical modulation in ultraviolet photodetectors based on organic oneâ€“dimensional photochromic arrays. SmartMat, 2021, 2, 388-397.	10.7	22
17	Layered Metalâ€“Halide Perovskite Singleâ€“Crystalline Microwire Arrays for Anisotropic Nonlinear Optics. Advanced Functional Materials, 2021, 31, 2105855.	14.9	30
18	Outside Back Cover: Volume 2 Issue 3. SmartMat, 2021, 2, ii.	10.7	0

#	ARTICLE	IF	CITATIONS
19	Controlled Assembly of Conjugated Ladder Molecules with Different Bridging Structures toward Optoelectronic Application. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 50197-50205.	8.0	3
20	All-optical switching based on interacting exciton polaritons in self-assembled perovskite microwires. <i>Science Advances</i> , 2021, 7, eabj6627.	10.3	47
21	Wafer-scale integration of stretchable semiconducting polymer microstructures via capillary gradient. <i>Nature Communications</i> , 2021, 12, 7038.	12.8	23
22	Controllable Heterogeneous Nucleation for Patterning High-Quality Vertical and Horizontal ZnO Microstructures toward Photodetectors. <i>Small</i> , 2020, 16, e2004136.	10.0	11
23	Transient circular dichroism and exciton spin dynamics in all-inorganic halide perovskites. <i>Nature Communications</i> , 2020, 11, 5665.	12.8	29
24	Capillary-Bridge Controlled Patterning of Stable Double-Perovskite Microwire Arrays for Non-toxic Photodetectors. <i>Frontiers in Chemistry</i> , 2020, 8, 632.	3.6	9
25	Programmable Single-Crystalline PbI_2 Microplate Arrays and Their Organic/Inorganic Heterojunctions. <i>Advanced Functional Materials</i> , 2020, 30, 2003631.	14.9	10
26	Air-Stable Highly Crystalline Formamidinium Perovskite 1D Structures for Ultrasensitive Photodetectors. <i>Advanced Functional Materials</i> , 2020, 30, 1908894.	14.9	27
27	Layered Perovskite Nanowires with Long-Range Orientational Order for Ultrasensitive Photodetectors. <i>Advanced Materials</i> , 2020, 32, e1905298.	21.0	49
28	Random Organic Nanolaser Arrays for Cryptographic Primitives. <i>Advanced Materials</i> , 2019, 31, e1807880.	21.0	72
29	Nano-confined crystallization of organic ultrathin nanostructure arrays with programmable geometries. <i>Nature Communications</i> , 2019, 10, 3912.	12.8	39
30	Highly Ordered Semiconducting Polymer Arrays for Sensitive Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15829-15836.	8.0	15
31	Superwettability-Based Interfacial Chemical Reactions. <i>Advanced Materials</i> , 2019, 31, e1800718.	21.0	128
32	Stable CsPbI_3 Perovskite Nanowire Arrays with Preferential Crystallographic Orientation for Highly Sensitive Photodetectors. <i>Advanced Functional Materials</i> , 2019, 29, 1808741.	14.9	78
33	Manipulation of Colloidal Particles in Three Dimensions via Microfluid Engineering. <i>Advanced Materials</i> , 2018, 30, e1707291.	21.0	28
34	Bandgap Engineering of Single-Crystalline Perovskite Arrays for High-Performance Photodetectors. <i>Advanced Functional Materials</i> , 2018, 28, 1804349.	14.9	66
35	Single-crystalline layered metal-halide perovskite nanowires for ultrasensitive photodetectors. <i>Nature Electronics</i> , 2018, 1, 404-410.	26.0	351
36	Regulated Dewetting for Patterning Organic Single Crystals with Pure Crystallographic Orientation toward High Performance Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2018, 28, 1800470.	14.9	47

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37	Crystallographically Aligned Perovskite Structures for High-Performance Polarization-Sensitive Photodetectors. <i>Advanced Materials</i> , 2017, 29, 1605993.	21.0	198
38	Large-Scale, Long-Range-Ordered Patterning of Nanocrystals via Capillary-Bridge Manipulation. <i>Advanced Materials</i> , 2017, 29, 1703143.	21.0	59
39	Capillary-Bridge Mediated Assembly of Conjugated Polymer Arrays toward Organic Photodetectors. <i>Advanced Functional Materials</i> , 2017, 27, 1701347.	14.9	53
40	Capillary-Bridge Lithography for Patterning Organic Crystals toward Mode-Tunable Microlaser Arrays. <i>Advanced Materials</i> , 2017, 29, 1603652.	21.0	96
41	Bioinspired 1D Superparamagnetic Magnetite Arrays with Magnetic Field Perception. <i>Advanced Materials</i> , 2016, 28, 6952-6958.	21.0	45
42	3D Dewetting for Crystal Patterning: Toward Regular Single-Crystalline Belt Arrays and Their Functionality. <i>Advanced Materials</i> , 2016, 28, 2266-2273.	21.0	64
43	Liquid Knife-to Fabricate Patterning Single-Crystalline Perovskite Microplates toward High-Performance Laser Arrays. <i>Advanced Materials</i> , 2016, 28, 3732-3741.	21.0	149
44	Large-Scale Assembly of Organic Highly Crystalline Multicomponent Wires through Surface-Engineered Condensation and Crystallization. <i>Small</i> , 2015, 11, 5759-5765.	10.0	12
45	Positioning and joining of organic single-crystalline wires. <i>Nature Communications</i> , 2015, 6, 6737.	12.8	87