

Fangxu Yang

List of Publications by Year in descending order

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39
papers

2,780
citations

331670

21
h-index

289244

40
g-index

40
all docs

40
docs citations

40
times ranked

4306
citing authors

#	ARTICLE	IF	CITATIONS
1	Few-layered organic single-crystalline heterojunctions for high-performance phototransistors. <i>Nano Research</i> , 2022, 15, 2667-2673.	10.4	12
2	Cocrystal engineering for constructing two-photon absorption materials by controllable intermolecular interactions. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2562-2568.	5.5	15
3	Cocrystal engineering: Tuning the charge transfer excitons for highly sensitive luminescent switching materials under multiple stimuli. <i>Science China Materials</i> , 2022, 65, 1320-1328.	6.3	10
4	Soft template-assisted self-assembly: a general strategy toward two-dimensional molecular crystals for high-performance organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2575-2580.	5.5	5
5	Negative Phototransistors with Ultrahigh Sensitivity and Weak Light Detection Based on 1D/2D Molecular Crystal p-n Heterojunctions and their Application in Light Encoders. <i>Advanced Materials</i> , 2022, 34, e2201364.	21.0	26
6	Efficient energy transfer in organic light-emitting transistor with tunable wavelength. <i>Nano Research</i> , 2022, 15, 3647-3652.	10.4	5
7	Highly Efficient Contact Doping for High-Performance Organic UV-Sensitive Phototransistors. <i>Crystals</i> , 2022, 12, 651.	2.2	5
8	Low-power high-mobility organic single-crystal field-effect transistor. <i>Science China Materials</i> , 2022, 65, 2779-2785.	6.3	6
9	A Fe ²⁺ /Ni ₅ P ₄ /Fe ²⁺ heterojunction electrocatalyst for highly efficient solar-to-hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1221-1229.	10.3	33
10	Few-layered two-dimensional molecular crystals for organic artificial visual memories with record-high photoresponse. <i>Journal of Materials Chemistry C</i> , 2021, 9, 8834-8841.	5.5	10
11	2D molecular crystal templated organic p-n heterojunctions for high-performance ambipolar organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5758-5764.	5.5	12
12	Vertical organic nanocrystal arrays for crossbar memristors with tuning switching dynamics toward neuromorphic computing. <i>SmartMat</i> , 2021, 2, 99-108.	10.7	73
13	p-n heterojunctions composed of two-dimensional molecular crystals for high-performance ambipolar organic field-effect transistors. <i>APL Materials</i> , 2021, 9, 051108.	5.1	8
14	Highly Efficient Charge Transport in a Quasi-Monolayer Semiconductor on Pure Polymer Dielectric. <i>Advanced Functional Materials</i> , 2020, 30, 1907153.	14.9	12
15	Stimuli-responsive behaviors of organic charge transfer cocrystals: recent advances and perspectives. <i>Materials Chemistry Frontiers</i> , 2020, 4, 715-728.	5.9	72
16	Cocrystal Engineering: A Collaborative Strategy toward Functional Materials. <i>Advanced Materials</i> , 2019, 31, e1902328.	21.0	245
17	A Phase Separation Molecular Design Strategy Towards Large Area 2D Molecular Crystals. <i>Advanced Materials</i> , 2019, 31, e1901437.	21.0	44
18	Organic Single Crystals: A Phase Separation Molecular Design Strategy Towards Large Area 2D Molecular Crystals (<i>Adv. Mater.</i> 35/2019). <i>Advanced Materials</i> , 2019, 31, 1970251.	21.0	2

#	ARTICLE	IF	CITATIONS
19	Organic crystalline materials in flexible electronics. <i>Chemical Society Reviews</i> , 2019, 48, 1492-1530.	38.1	314
20	A Robust Nonvolatile Resistive Memory Device Based on a Freestanding Ultrathin 2D Imine Polymer Film. <i>Advanced Materials</i> , 2019, 31, e1902264.	21.0	117
21	Thermally Activated Delayed Fluorescence in an Organic Cocrystal: Narrowing the Singlet-Triplet Energy Gap via Charge Transfer. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11311-11316.	13.8	76
22	Thermally Activated Delayed Fluorescence in an Organic Cocrystal: Narrowing the Singlet-Triplet Energy Gap via Charge Transfer. <i>Angewandte Chemie</i> , 2019, 131, 11433.	2.0	13
23	Scalable Fabrication of Highly Crystalline Organic Semiconductor Thin Film by Channel-Restricted Screen Printing toward the Low-Cost Fabrication of High-Performance Transistor Arrays. <i>Advanced Materials</i> , 2019, 31, e1807975.	21.0	93
24	Low-Voltage Organic Single-Crystal Field-Effect Transistor with Steep Subthreshold Slope. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25871-25877.	8.0	50
25	Space-Confined Strategy toward Large-Area Two-Dimensional Single Crystals of Molecular Materials. <i>Journal of the American Chemical Society</i> , 2018, 140, 5339-5342.	13.7	132
26	Organic Optoelectronics: 2D Organic Materials for Optoelectronic Applications (<i>Adv. Mater.</i> 2/2018). <i>Advanced Materials</i> , 2018, 30, 1870012.	21.0	11
27	2D Organic Materials for Optoelectronic Applications. <i>Advanced Materials</i> , 2018, 30, 1702415.	21.0	266
28	Free-Standing 2D Hexagonal Aluminum Nitride Dielectric Crystals for High-Performance Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2018, 30, e1801891.	21.0	32
29	Organic Field-Effect Transistor for Energy-Related Applications: Low-Power-Consumption Devices, Near-Infrared Phototransistors, and Organic Thermoelectric Devices. <i>Advanced Energy Materials</i> , 2018, 8, 1801003.	19.5	95
30	Molecular cocrystals: design, charge-transfer and optoelectronic functionality. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6009-6023.	2.8	143
31	Electrocatalysts: Ternary NiCo ₂ P Nanowires as pH-Universal Electrocatalysts for Highly Efficient Hydrogen Evolution Reaction (<i>Adv. Mater.</i> 9/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	8
32	Intermolecular Charge-Transfer Interactions Facilitate Two-Photon Absorption in Styrylpyridine-Tetracyanobenzene Cocrystals. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7831-7835.	13.8	146
33	Intermolecular Charge-Transfer Interactions Facilitate Two-Photon Absorption in Styrylpyridine-Tetracyanobenzene Cocrystals. <i>Angewandte Chemie</i> , 2017, 129, 7939-7943.	2.0	32
34	Ligand effects on electronic and optoelectronic properties of two-dimensional PbS necking percolative superlattices. <i>Nano Research</i> , 2017, 10, 1249-1257.	10.4	16
35	Ternary NiCo ₂ P Nanowires as pH-Universal Electrocatalysts for Highly Efficient Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2017, 29, 1605502.	21.0	544
36	Unveiling the Switching Riddle of Silver Tetracyanoquinodimethane Towards Novel Planar Single-Crystalline Electrochemical Metallization Memories. <i>Advanced Materials</i> , 2016, 28, 7094-7100.	21.0	17

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37	Mass Production of Nanogap Electrodes toward Robust Resistive Random Access Memory. <i>Advanced Materials</i> , 2016, 28, 8227-8233.	21.0	20
38	High Hole Mobility in Long-Range Ordered 2D Lead Sulfide Nanocrystal Monolayer Films. <i>Advanced Functional Materials</i> , 2016, 26, 5182-5188.	14.9	25
39	Pyridine-bridged diketopyrrolopyrrole conjugated polymers for field-effect transistors and polymer solar cells. <i>Polymer Chemistry</i> , 2015, 6, 4775-4783.	3.9	34