

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

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all docs

40
docs citations

40
times ranked

4306
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Organic crystalline materials in flexible electronics. <i>Chemical Society Reviews</i> , 2019, 48, 1492-1530.	38.1	314
3	2D Organic Materials for Optoelectronic Applications. <i>Advanced Materials</i> , 2018, 30, 1702415.	21.0	266
4	Cocrystal Engineering: A Collaborative Strategy toward Functional Materials. <i>Advanced Materials</i> , 2019, 31, e1902328.	21.0	245
5	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
6	Molecular cocrystals: design, charge-transfer and optoelectronic functionality. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6009-6023.	2.8	143
7	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
8	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
9	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
10	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
11	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
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	Stimuli-responsive behaviors of organic charge transfer cocrystals: recent advances and perspectives. <i>Materials Chemistry Frontiers</i> , 2020, 4, 715-728.	5.9	72
14	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
15	A π -Phase Separation-Molecular Design Strategy Towards Large-Area 2D Molecular Crystals. <i>Advanced Materials</i> , 2019, 31, e1901437.	21.0	44
16	Pyridine-bridged diketopyrrolopyrrole conjugated polymers for field-effect transistors and polymer solar cells. <i>Polymer Chemistry</i> , 2015, 6, 4775-4783.	3.9	34
17	A Fe-Ni ₅ P ₄ /Fe-Ni ₂ P heterojunction electrocatalyst for highly efficient solar-to-hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1221-1229.	10.3	33
18	Intermolecular Charge-Transfer Interactions Facilitate Two-Photon Absorption in Styrylpyridine-Tetracyanobenzene Cocrystals. <i>Angewandte Chemie</i> , 2017, 129, 7939-7943.	2.0	32

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19	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
20	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
21	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
22	Mass Production of Nanogap Electrodes toward Robust Resistive Random Access Memory. <i>Advanced Materials</i> , 2016, 28, 8227-8233.	21.0	20
23	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
24	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
25	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
26	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
27	Highly Efficient Charge Transport in a Quasi-monolayer Semiconductor on Pure Polymer Dielectric. <i>Advanced Functional Materials</i> , 2020, 30, 1907153.	14.9	12
28	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
29	Few-layered organic single-crystalline heterojunctions for high-performance phototransistors. <i>Nano Research</i> , 2022, 15, 2667-2673.	10.4	12
30	Organic Optoelectronics: 2D Organic Materials for Optoelectronic Applications (Adv. Mater. 2/2018). <i>Advanced Materials</i> , 2018, 30, 1870012.	21.0	11
31	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
32	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
33	Electrocatalysts: Ternary NiCo ₂ P _x Nanowires as pH-Universal Electrocatalysts for Highly Efficient Hydrogen Evolution Reaction (Adv. Mater. 9/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	8
34	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
35	Low-power high-mobility organic single-crystal field-effect transistor. <i>Science China Materials</i> , 2022, 65, 2779-2785.	6.3	6
36	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

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37	Efficient energy transfer in organic light-emitting transistor with tunable wavelength. Nano Research, 2022, 15, 3647-3652.	10.4	5
38	Highly Efficient Contact Doping for High-Performance Organic UV-Sensitive Phototransistors. Crystals, 2022, 12, 651.	2.2	5
39	Organic Single Crystals: A "Phase Separation" Molecular Design Strategy Towards Large-Area 2D Molecular Crystals (Adv. Mater. 35/2019). Advanced Materials, 2019, 31, 1970251.	21.0	2