Yu-Meng You

List of Publications by Year
in descending order

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42 papers	7,647 citations	156536 32 h-index	299063 42 g-index
42 all docs	42 docs citations	42 times ranked	10554 citing authors

#	Article	IF	Citations
1	Visualization of Ferroelectric Domains in Thin Films of Molecular Materials Using Confocal Micro-Raman Spectroscopy. Chemical Research in Chinese Universities, 2022, 38, 1394-1399.	1.3	4
2	Rational Design of Molecular Ferroelectrics with Negatively Charged Domain Walls. Journal of the American Chemical Society, 2022, 144, 13806-13814.	6.6	8
3	Recent progress in the piezoelectricity of molecular ferroelectrics. Materials Chemistry Frontiers, 2021, 5, 44-59.	3.2	43
4	Molecular Design of Three-Dimensional Metal-Free A(NH₄)X₃ Perovskites for Photovoltaic Applications. Jacs Au, 2021, 1, 475-483.	3.6	19
5	Hybrid organicâ€“inorganic perovskite ferroelectrics bring light to semiconducting applications: Bandgap engineering as a starting point. APL Materials, 2021, 9, .	2.2	29
6	100 years of ferroelectricityâ€”A celebration. APL Materials, 2021, 9, .	2.2	25
7	Two-Dimensional Layered Perovskite Ferroelectric with Giant Piezoelectric Voltage Coefficient. Journal of the American Chemical Society, 2020, 142, 1077-1082.	6.6	166
8	A Molecular Thermochromic Ferroelectric. Angewandte Chemie, 2020, 132, 3523-3527.	1.6	15
9	A Molecular Thermochromic Ferroelectric. Angewandte Chemie - International Edition, 2020, 59, 3495-3499.	7.2	57
10	Confinement-Driven Ferroelectricity in a Two-Dimensional Hybrid Lead Iodide Perovskite. Journal of the American Chemical Society, 2020, 142, 10212-10218.	6.6	113
11	Observation of Vortex Domains in a Two-Dimensional Lead Iodide Perovskite Ferroelectric. Journal of the American Chemical Society, 2020, 142, 4925-4931.	6.6	153
12	Bistable State of Protons for Low-Voltage Memories. Journal of the American Chemical Society, 2020, 142, 9000-9006.	6.6	41
13	Recent progress in molecular ferroelectrics with perovskite structure. Chinese Science Bulletin, 2020, 65, 916-930.	0.4	8
14	Fluorinated 2D Lead Iodide Perovskite Ferroelectrics. Advanced Materials, 2019, 31, e1901843.	11.1	137
15	A Nickel(II) Nitrite Based Molecular Perovskite Ferroelectric. Angewandte Chemie, 2019, 131, 8949-8953.	1.6	17
16	A Nickel(II) Nitrite Based Molecular Perovskite Ferroelectric. Angewandte Chemie - International Edition, 2019, 58, 8857-8861.	7.2	43
17	A molecular perovskite solid solution with piezoelectricity stronger than lead zirconate titanate. Science, 2019, 363, 1206-1210.	6.0	401
18	An above-room-temperature phosphonium-based molecular ferroelectric perovskite, [(CH3)4P]CdCl3, with Sb3+-doped luminescence. NPG Asia Materials, 2019, 11, .	3.8	42

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19	Competitive Halogen Bond in the Molecular Ferroelectric with Large Piezoelectric Response. Journal of the American Chemical Society, 2018, 140, 3975-3980.	6.6	151
20	Nonvolatile Memory Based on Molecular Ferroelectric/Graphene Field Effect Transistor. ACS Applied Materials & Interfaces, 2018, 10, 39187-39193.	4.0	11
21	Metal-free three-dimensional perovskite ferroelectrics. Science, 2018, 361, 151-155.	6.0	570
22	Multiaxial Molecular Ferroelectric Thin Films Bring Light to Practical Applications. Journal of the American Chemical Society, 2018, 140, 8051-8059.	6.6	160
23	A semiconducting molecular ferroelectric with a bandgap much lower than that of BiFeO3. NPG Asia Materials, 2017, 9, e342-e342.	3.8	54
24	A Three-Dimensional Molecular Perovskite Ferroelectric: (3-Ammoniopyrrolidinium)RbBr₃. Journal of the American Chemical Society, 2017, 139, 3954-3957.	6.6	153
25	Defect Activated Photoluminescence in WSe₂ Monolayer. Journal of Physical Chemistry C, 2017, 121, 12294-12299.	1.5	83
26	Quinuclidinium salt ferroelectric thin-film with duodecuple-rotational polarization-directions. Nature Communications, 2017, 8, 14934.	5.8	75
27	Improving the electrical performance of MoS₂ by mild oxygen plasma treatment. Journal Physics D: Applied Physics, 2017, 50, 154001.	1.3	50
28	A Multiaxial Molecular Ferroelectric with Highest Curie Temperature and Fastest Polarization Switching. Journal of the American Chemical Society, 2017, 139, 13903-13908.	6.6	92
29	An organic-inorganic perovskite ferroelectric with large piezoelectric response. Science, 2017, 357, 306-309.	6.0	744
30	Large Piezoelectric Effect in a Lead-Free Molecular Ferroelectric Thin Film. Journal of the American Chemical Society, 2017, 139, 18071-18077.	6.6	160
31	Visualization of Room-Temperature Ferroelectricity and Polarization Rotation in the Thin Film of Quinuclidinium Perrhenate. Physical Review Letters, 2017, 119, 207602.	2.9	50
32	A Molecular Polycrystalline Ferroelectric with Recordâ€High Phase Transition Temperature. Advanced Materials, 2017, 29, 1700831.	11.1	72
33	Probing the intrinsic optical quality of CVD grown MoS2. Nano Research, 2017, 10, 1608-1617.	5.8	67
34	Molecular Ferroelectric with Most Equivalent Polarization Directions Induced by the Plastic Phase Transition. Journal of the American Chemical Society, 2016, 138, 13175-13178.	6.6	125
35	Defects as a factor limiting carrier mobility in WSe2: A spectroscopic investigation. Nano Research, 2016, 9, 3622-3631.	5.8	126
36	Anomalously rotary polarization discovered in homochiral organic ferroelectrics. Nature Communications, 2016, 7, 13635.	5.8	129

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37	Ultrafast Polarization Switching in a Biaxial Molecular Ferroelectric Thin Film: [Hdabco]ClO₄. Journal of the American Chemical Society, 2016, 138, 15784-15789.	6.6	107
38	Bandgap Engineering of Leadâ€Halide Perovskiteâ€Type Ferroelectrics. Advanced Materials, 2016, 28, 2579-2586.	11.1	298
39	Experimental Evidence for Dark Excitons in Monolayer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>WSe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2015, 115, 257403.	2.9	376
40	Observation of biexcitons in monolayer WSe2. Nature Physics, 2015, 11, 477-481.	6.5	531
41	High-Temperature Ferroelectricity and Photoluminescence in a Hybrid Organicâ€“Inorganic Compound: (3-Pyrrolinium)MnCl₃. Journal of the American Chemical Society, 2015, 137, 13148-13154.	6.6	246
42	Grains and grain boundaries in highly crystalline monolayer molybdenum disulphide. Nature Materials, 2013, 12, 554-561.	13.3	1,896