

Ferry Prins

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,706
citations

279487

23
h-index

276539

41
g-index

44
all docs

44
docs citations

44
times ranked

5007
citing authors

#	ARTICLE	IF	CITATIONS
1	Room-Temperature Electrical Addressing of a Bistable Spin-Crossover Molecular System. <i>Advanced Materials</i> , 2011, 23, 1545-1549.	11.1	328
2	Monodisperse, Air-Stable PbS Nanocrystals <i>via</i> Precursor Stoichiometry Control. <i>ACS Nano</i> , 2014, 8, 6363-6371.	7.3	315
3	Room-Temperature Gating of Molecular Junctions Using Few-Layer Graphene Nanogap Electrodes. <i>Nano Letters</i> , 2011, 11, 4607-4611.	4.5	310
4	An intrinsic growth instability in isotropic materials leads to quasi-two-dimensional nanoplatelets. <i>Nature Materials</i> , 2017, 16, 743-748.	13.3	193
5	Reduced Dielectric Screening and Enhanced Energy Transfer in Single- and Few-Layer MoS ₂ . <i>Nano Letters</i> , 2014, 14, 6087-6091.	4.5	178
6	Subdiffusive Exciton Transport in Quantum Dot Solids. <i>Nano Letters</i> , 2014, 14, 3556-3562.	4.5	152
7	Exciton diffusion in two-dimensional metal-halide perovskites. <i>Nature Communications</i> , 2020, 11, 2035.	5.8	113
8	Wedge Waveguides and Resonators for Quantum Plasmonics. <i>Nano Letters</i> , 2015, 15, 6267-6275.	4.5	107
9	Long-Range Magnetic Ordering in a Tb ^{III} -Mo ^V Cyanido-Bridged Quasi-One-Dimensional Complex. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6081-6084.	7.2	105
10	Highly efficient, dual state emission from an organic semiconductor. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	76
11	Colloidal-Quantum-Dot Ring Lasers with Active Color Control. <i>Nano Letters</i> , 2018, 18, 1028-1034.	4.5	70
12	Direct Patterning of Colloidal Quantum-Dot Thin Films for Enhanced and Spectrally Selective Out-Coupling of Emission. <i>Nano Letters</i> , 2017, 17, 1319-1325.	4.5	68
13	Magnitude of the First Radius in Colloidal Quantum Dot Solids. <i>Journal of Physical Chemistry C</i> , 2014, 118, 13920-13928.	1.5	67
14	Counterion Effect on the Spin-Transition Properties of the Cation [Fe(btzx) ₃] ²⁺ (btzx = <i>m</i> -xylylenebis(tetrazole)). <i>Chemistry - A European Journal</i> , 2008, 14, 8486-8499.	1.7	64
15	An All-Electric Single-Molecule Motor. <i>ACS Nano</i> , 2010, 4, 6681-6686.	7.3	61
16	Influence of the Chemical Structure on the Stability and Conductance of Porphyrin Single-Molecule Junctions. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11223-11226.	7.2	56
17	Room-temperature stability of Pt nanogaps formed by self-breaking. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	52
18	Fast and Efficient Photodetection in Nanoscale Quantum-Dot Junctions. <i>Nano Letters</i> , 2012, 12, 5740-5743.	4.5	51

#	ARTICLE	IF	CITATIONS
19	Charge transport in a zinc porphyrin single-molecule junction. Beilstein Journal of Nanotechnology, 2011, 2, 714-719.	1.5	31
20	Long-Term Stabilization of Two-Dimensional Perovskites by Encapsulation with Hexagonal Boron Nitride. Nanomaterials, 2019, 9, 1120.	1.9	31
21	A 2D [FeII-bistetrazole] coordination polymer exhibiting spin-crossover properties. Inorganica Chimica Acta, 2007, 360, 3787-3796.	1.2	26
22	Three-dimensional LnIII-WIV complexes with cyanido and carboxylato bridges. CrystEngComm, 2006, 8, 863-865.	1.3	25
23	Room-Temperature Strong Coupling of CdSe Nanoplatelets and Plasmonic Hole Arrays. Nano Letters, 2019, 19, 108-115.	4.5	23
24	Transition from Thermodynamic to Kinetic-Limited Excitonic Energy Migration in Colloidal Quantum Dot Solids. Journal of Physical Chemistry C, 2014, 118, 7894-7900.	1.5	22
25	Ferrimagnetic Heisenberg Chains Derived From [M(CN) ₈] ³⁻ (M=Mo ^V , W ^V) Building Blocks. ChemPhysChem, 2008, 9, 1975-1978.	1.0	21
26	A system for the deterministic transfer of 2D materials under inert environmental conditions. 2D Materials, 2020, 7, 025034.	2.0	21
27	<i>In situ</i> transmission electron microscopy imaging of grain growth in a platinum nanobridge induced by electric current annealing. Nanotechnology, 2011, 22, 205705.	1.3	18
28	Platinum-nanogaps for single-molecule electronics: room-temperature stability. Physical Chemistry Chemical Physics, 2011, 13, 14297.	1.3	17
29	Efficient interlayer exciton transport in two-dimensional metal-halide perovskites. Materials Horizons, 2021, 8, 639-644.	6.4	15
30	Mapping the Trap State Landscape in 2D Metal-Halide Perovskites Using Transient Photoluminescence Microscopy. Advanced Optical Materials, 2021, 9, 2001875.	3.6	15
31	Polarization Multiplexing of Fluorescent Emission Using Multiresonant Plasmonic Antennas. ACS Nano, 2017, 11, 12167-12173.	7.3	14
32	Spatially Resolved Energy Transfer in Patterned Colloidal Quantum Dot Heterostructures. ACS Applied Materials & Interfaces, 2014, 6, 3111-3114.	4.0	12
33	Halide Mixing Inhibits Exciton Transport in Two-dimensional Perovskites Despite Phase Purity. ACS Energy Letters, 2022, 7, 358-365.	8.8	12
34	<i>In Situ</i> Transmission Electron Microscopy Imaging of Electromigration in Platinum Nanowires. Microscopy and Microanalysis, 2013, 19, 43-48.	0.2	10
35	Polarization-based colour tuning of mixed colloidal quantum-dot thin films using direct patterning. Nanoscale, 2022, 14, 4929-4934.	2.8	5
36	Current-induced nanogap formation and graphitization in boron-doped diamond films. Applied Physics Letters, 2012, 101, 193106.	1.5	4

#	ARTICLE	IF	CITATIONS
37	Template Stripping of Perovskite Thin Films for Dry Interfacing and Surface Structuring. ACS Applied Materials & Interfaces, 2020, 12, 26601-26606.	4.0	2
38	Inverse design and realization of an optimized photonic multilayer for thermophotovoltaics. OSA Continuum, 2021, 4, 3254.	1.8	2
39	Mapping the Trap-State Landscape in 2D Metal-Halide Perovskites Using Transient Photoluminescence Microscopy (Advanced Optical Materials 18/2021). Advanced Optical Materials, 2021, 9, 2170072.	3.6	1
40	Visualising Energy Transport in Nanocrystal Thin-Films. , 0, , .		0