

Christoph E Wolf

List of Publications by Year in descending order

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37
papers

6,115
citations

304743

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345221

36
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38
all docs

38
docs citations

38
times ranked

8133
citing authors

#	ARTICLE	IF	CITATIONS
1	Overcoming the electroluminescence efficiency limitations of perovskite light-emitting diodes. Science, 2015, 350, 1222-1225.	12.6	2,440
2	Efficient Visible Quasi-2D Perovskite Light-Emitting Diodes. Advanced Materials, 2016, 28, 7515-7520.	21.0	554
3	Planar CH ₃ NH ₃ PbI ₃ Perovskite Solar Cells with Constant 17.2% Average Power Conversion Efficiency Irrespective of the Scan Rate. Advanced Materials, 2015, 27, 3424-3430.	21.0	435
4	Improving the Stability of Metal Halide Perovskite Materials and Light-Emitting Diodes. Advanced Materials, 2018, 30, e1704587.	21.0	368
5	Organometal Halide Perovskite Artificial Synapses. Advanced Materials, 2016, 28, 5916-5922.	21.0	319
6	Highly Efficient Light-Emitting Diodes of Colloidal Metal-Halide Perovskite Nanocrystals beyond Quantum Size. ACS Nano, 2017, 11, 6586-6593.	14.6	310
7	Ultrapure Green Light-Emitting Diodes Using Two-Dimensional Formamidinium Perovskites: Achieving Recommendation 2020 Color Coordinates. Nano Letters, 2017, 17, 5277-5284.	9.1	221
8	High efficiency perovskite light-emitting diodes of ligand-engineered colloidal formamidinium lead bromide nanoparticles. Nano Energy, 2017, 38, 51-58.	16.0	195
9	High-Efficiency Solution-Processed Inorganic Metal Halide Perovskite Light-Emitting Diodes. Advanced Materials, 2017, 29, 1700579.	21.0	193
10	Highly Efficient, Simplified, Solution-Processed Thermally Activated Delayed-Fluorescence Organic Light-Emitting Diodes. Advanced Materials, 2016, 28, 734-741.	21.0	133
11	High-Efficiency Polycrystalline Perovskite Light-Emitting Diodes Based on Mixed Cations. ACS Nano, 2018, 12, 2883-2892.	14.6	109
12	Unravelling additive-based nanocrystal pinning for high efficiency organic-inorganic halide perovskite light-emitting diodes. Nano Energy, 2017, 42, 157-165.	16.0	98
13	Organic Non-Volatile Resistive Photo-Switches for Flexible Image Detector Arrays. Advanced Materials, 2015, 27, 1048-1052.	21.0	88
14	Ultrasensitive artificial synapse based on conjugated polyelectrolyte. Nano Energy, 2018, 48, 575-581.	16.0	85
15	Efficient Perovskite Light-Emitting Diodes Using Polycrystalline Core-Shell-Mimicked Nanograins. Advanced Functional Materials, 2019, 29, 1902017.	14.9	76
16	Charge carrier recombination and ion migration in metal-halide perovskite nanoparticle films for efficient light-emitting diodes. Nano Energy, 2018, 52, 329-335.	16.0	64
17	Exciton and lattice dynamics in low-temperature processable CsPbBr ₃ thin-films. Materials Today Energy, 2018, 7, 199-207.	4.7	62
18	Fine Control of Perovskite Crystallization and Reducing Luminescence Quenching Using Self-Doped Polyaniline Hole Injection Layer for Efficient Perovskite Light-Emitting Diodes. Advanced Functional Materials, 2019, 29, 1807535.	14.9	58

#	ARTICLE	IF	CITATIONS
19	Electron spin resonance of single iron phthalocyanine molecules and role of their non-localized spins in magnetic interactions. <i>Nature Chemistry</i> , 2022, 14, 59-65.	13.6	51
20	Onâ€Fabrication Solidâ€State Nâ€Doping of Graphene by an Electronâ€Transporting Metal Oxide Layer for Efficient Inverted Organic Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1600172.	19.5	46
21	Structural and Thermal Disorder of Solution-Processed CH ₃ NH ₃ PbBr ₃ Hybrid Perovskite Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10344-10348.	8.0	32
22	Coherent Spin Control of Single Molecules on a Surface. <i>ACS Nano</i> , 2021, 15, 17959-17965.	14.6	28
23	Correlation between Electronic Configuration and Magnetic Stability in Dysprosium Single Atom Magnets. <i>Nano Letters</i> , 2021, 21, 8266-8273.	9.1	20
24	Inkjetâ€Printed Resistive Switching Memory Based on Organic Dielectric Materials: From Single Elements to Array Technology. <i>Advanced Electronic Materials</i> , 2015, 1, 1400003.	5.1	19
25	Polaronic Charge Carrierâ€Lattice Interactions in Lead Halide Perovskites. <i>ChemSusChem</i> , 2017, 10, 3705-3711.	6.8	18
26	Spin resonance amplitude and frequency of a single atom on a surface in a vector magnetic field. <i>Physical Review B</i> , 2021, 104, .	3.2	16
27	Synergistic Effects of Doping and Thermal Treatment on Organic Semiconducting Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 18909-18914.	8.0	14
28	Growth of Multilayer Graphene with a Built-in Vertical Electric Field. <i>Chemistry of Materials</i> , 2020, 32, 5142-5152.	6.7	12
29	Efficient Ab Initio Multiplet Calculations for Magnetic Adatoms on MgO. <i>Journal of Physical Chemistry A</i> , 2020, 124, 2318-2327.	2.5	11
30	Perovskite Lightâ€Emitting Diodes: Efficient Visible Quasiâ€2D Perovskite Lightâ€Emitting Diodes (Adv. Mater.) Tj ETQq0 0 0 rgBT /Over 21.0 16	21.0	16
31	Resistive switching based on filaments in metal/PMMA/metal thin film devices. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 120301.	1.5	9
32	Mapping Orbital-Resolved Magnetism in Single Lanthanide Atoms. <i>ACS Nano</i> , 2021, 15, 16162-16171.	14.6	7
33	Artificial Synapses: Organometal Halide Perovskite Artificial Synapses (Adv. Mater. 28/2016). <i>Advanced Materials</i> , 2016, 28, 6019-6019.	21.0	5
34	Solar Cells: Planar CH ₃ NH ₃ PbI ₃ Perovskite Solar Cells with Constant 17.2% Average Power Conversion Efficiency Irrespective of the Scan Rate (Adv. Mater. 22/2015). <i>Advanced Materials</i> , 2015, 27, 3464-3464.	21.0	3
35	Increased luminescent efficiency of perovskite light emitting diodes based on modified two-step deposition method providing gradient concentration. <i>APL Materials</i> , 2018, 6, 111101.	5.1	3
36	Atomic-scale intermolecular interaction of hydrogen with a single VOPc molecule on the Au(111) surface. <i>RSC Advances</i> , 2021, 11, 6240-6245.	3.6	3

#	ARTICLE	IF	CITATIONS
37	Probing Magnetism in Artificial Metal-Organic Complexes Using Electronic Spin Relaxometry. Journal of Physical Chemistry Letters, 2020, 11, 5618-5624.	4.6	0