Christoph E Wolf

List of Publications by Year
in descending order

37 papers	6,115 citations	304743 22 h-index	345221 36 g-index
38 all docs	38 docs citations	38 times ranked	8133 citing authors

#	Article	IF	Citations
1	Electron spin resonance of single iron phthalocyanine molecules and role of their non-localized spins in magnetic interactions. Nature Chemistry, 2022, 14, 59-65.	13.6	51
2	Atomic-scale intermolecular interaction of hydrogen with a single VOPc molecule on the Au(111) surface. RSC Advances, 2021, 11, 6240-6245.	3.6	3
3	Correlation between Electronic Configuration and Magnetic Stability in Dysprosium Single Atom Magnets. Nano Letters, 2021, 21, 8266-8273.	9.1	20
4	Mapping Orbital-Resolved Magnetism in Single Lanthanide Atoms. ACS Nano, 2021, 15, 16162-16171.	14.6	7
5	Spin resonance amplitude and frequency of a single atom on a surface in a vector magnetic field. Physical Review B, 2021, 104, .	3.2	16
6	Coherent Spin Control of Single Molecules on a Surface. ACS Nano, 2021, 15, 17959-17965.	14.6	28
7	Growth of Multilayer Graphene with a Built-in Vertical Electric Field. Chemistry of Materials, 2020, 32, 5142-5152.	6.7	12
8	Probing Magnetism in Artificial Metalâ€“Organic Complexes Using Electronic Spin Relaxometry. Journal of Physical Chemistry Letters, 2020, 11, 5618-5624.	4.6	0
9	Efficient Ab Initio Multiplet Calculations for Magnetic Adatoms on MgO. Journal of Physical Chemistry A, 2020, 124, 2318-2327.	2.5	11
10	Efficient Perovskite Lightâ€Emitting Diodes Using Polycrystalline Coreâ€“Shellâ€Mimicked Nanograins. Advanced Functional Materials, 2019, 29, 1902017.	14.9	76
11	Fine Control of Perovskite Crystallization and Reducing Luminescence Quenching Using Selfâ€Doped Polyaniline Hole Injection Layer for Efficient Perovskite Lightâ€Emitting Diodes. Advanced Functional Materials, 2019, 29, 1807535.	14.9	58
12	High-Efficiency Polycrystalline Perovskite Light-Emitting Diodes Based on Mixed Cations. ACS Nano, 2018, 12, 2883-2892.	14.6	109
13	Improving the Stability of Metal Halide Perovskite Materials and Lightâ€Emitting Diodes. Advanced Materials, 2018, 30, e1704587.	21.0	368
14	Ultrasensitive artificial synapse based on conjugated polyelectrolyte. Nano Energy, 2018, 48, 575-581.	16.0	85
15	Exciton and lattice dynamics in low-temperature processable CsPbBr3 thin-films. Materials Today Energy, 2018, 7, 199-207.	4.7	62
16	Increased luminescent efficiency of perovskite light emitting diodes based on modified two-step deposition method providing gradient concentration. APL Materials, 2018, 6, 111101.	5.1	3
17	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
18	Highly Efficient Light-Emitting Diodes of Colloidal Metalâ€“Halide Perovskite Nanocrystals beyond Quantum Size. ACS Nano, 2017, 11, 6586-6593.	14.6	310

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19	Highâ€Efficiency Solutionâ€Processed Inorganic Metal Halide Perovskite Lightâ€Emitting Diodes. Advanced Materials, 2017, 29, 1700579.	21.0	193
20	Structural and Thermal Disorder of Solution-Processed CH₃NH₃PbBr₃ Hybrid Perovskite Thin Films. ACS Applied Materials & Interfaces, 2017, 9, 10344-10348.	8.0	32
21	Unravelling additive-based nanocrystal pinning for high efficiency organic-inorganic halide perovskite light-emitting diodes. Nano Energy, 2017, 42, 157-165.	16.0	98
22	Polaronic Charge Carrierâ€"Lattice Interactions in Lead Halide Perovskites. ChemSusChem, 2017, 10, 3705-3711.	6.8	18
23	Ultrapure Green Light-Emitting Diodes Using Two-Dimensional Formamidinium Perovskites: Achieving Recommendation 2020 Color Coordinates. Nano Letters, 2017, 17, 5277-5284.	9.1	221
24	High efficiency perovskite light-emitting diodes of ligand-engineered colloidal formamidinium lead bromide nanoparticles. Nano Energy, 2017, 38, 51-58.	16.0	195
25	Efficient Visible Quasiâ€2D Perovskite Lightâ€Emitting Diodes. Advanced Materials, 2016, 28, 7515-7520.	21.0	554
26	Perovskite Lightâ€Emitting Diodes: Efficient Visible Quasiâ€2D Perovskite Lightâ€Emitting Diodes (Adv. Mater.) Tj ETQq0 0 0 rgBT /Over	21.0	10
27	Artificial Synapses: Organometal Halide Perovskite Artificial Synapses (Adv. Mater. 28/2016). Advanced Materials, 2016, 28, 6019-6019.	21.0	5
28	Highly Efficient, Simplified, Solutionâ€Processed Thermally Activated Delayedâ€Fluorescence Organic Lightâ€Emitting Diodes. Advanced Materials, 2016, 28, 734-741.	21.0	133
29	Organometal Halide Perovskite Artificial Synapses. Advanced Materials, 2016, 28, 5916-5922.	21.0	319
30	Onâ€Fabrication Solidâ€State Nâ€Doping of Graphene by an Electronâ€Transporting Metal Oxide Layer for Efficient Inverted Organic Solar Cells. Advanced Energy Materials, 2016, 6, 1600172.	19.5	46
31	Solar Cells: Planar CH3NH3PbI3Perovskite Solar Cells with Constant 17.2% Average Power Conversion Efficiency Irrespective of the Scan Rate (Adv. Mater. 22/2015). Advanced Materials, 2015, 27, 3464-3464.	21.0	3
32	Overcoming the electroluminescence efficiency limitations of perovskite light-emitting diodes. Science, 2015, 350, 1222-1225.	12.6	2,440
33	Resistive switching based on filaments in metal/PMMA/metal thin film devices. Japanese Journal of Applied Physics, 2015, 54, 120301.	1.5	9
34	Inkjetâ€Printed Resistive Switching Memory Based on Organic Dielectric Materials: From Single Elements to Array Technology. Advanced Electronic Materials, 2015, 1, 1400003.	5.1	19
35	Planar CH₃NH₃PbI₃ 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
36	Synergistic Effects of Doping and Thermal Treatment on Organic Semiconducting Nanowires. ACS Applied Materials & Interfaces, 2015, 7, 18909-18914.	8.0	14

#	Article	IF	Citations
37	Organic Nonâ€Volatile Resistive Photoâ€Switches for Flexible Image Detector Arrays. Advanced Materials, 2015, 27, 1048-1052.	21.0	88