Duan Luo

List of Publications by Year
in descending order

27	561	933447 10	642732 23
papers	citations	h-index	g-index

30	30	30	571
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Understanding Co roles towards developing Co-free Ni-rich cathodes for rechargeable batteries. Nature Energy, 2021, 6, 277-286.	39.5	255
2	Effect of doping on the performance of high-crystalline SrMnO3 perovskite nanofibers as a supercapacitor electrode. Ceramics International, 2018, 44, 21982-21992.	4.8	102
3	Twist-Angle-Dependent Ultrafast Charge Transfer in MoS₂-Graphene van der Waals Heterostructures. Nano Letters, 2021, 21, 8051-8057.	9.1	30
4	Asymmetric supercapacitor based on MnO2 and Fe2O3 nanotube active materials and graphene current collectors. Nano Structures Nano Objects, 2018, 15, 98-106.	3.5	28
5	Conformer-specific photochemistry imaged in real space and time. Science, 2021, 374, 178-182.	12.6	20
6	Manganese dioxideâ€“carbon nanotube composite electrodes with high active mass loading for electrochemical supercapacitors. Journal of Materials Science, 2017, 52, 3687-3696.	3.7	17
7	Fast luminescence from rare-earth-codoped BaSiF6 nanowires with high aspect ratios. Journal of Materials Chemistry C, 2018, 6, 7285-7294.	5.5	17
8	Highly Efficient Uniaxial Inâ€Plane Stretching of a 2D Material via Ion Insertion. Advanced Materials, 2021, 33, e2101875.	21.0	16
9	Role of Equilibrium Fluctuations in Light-Induced Order. Physical Review Letters, 2021, 127, 227401.	7.8	16
10	A compact large-format streak tube for imaging lidar. Review of Scientific Instruments, 2018, 89, 045113.	1.3	10
11	Machine learning the metastable phase diagram of covalently bonded carbon. Nature Communications, 2022, 13, .	12.8	9
12	Ultrafast formation of a transient two-dimensional diamondlike structure in twisted bilayer graphene. Physical Review B, 2020, 102, .	3.2	8
13	Composite Polymerâ€“Metal Hydroxide Coatings with Flame-Retardant Properties. Materials and Manufacturing Processes, 2016, 31, 1201-1205.	4.7	7
14	Traveling wave deflector design for femtosecond streak camera. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 855, 148-153.	1.6	5
15	Coherent Lattice Wobbling and Out-of-Phase Intensity Oscillations of Friedel Pairs Observed by Ultrafast Electron Diffraction. ACS Nano, 2020, 14, 8449-8458.	14.6	5
16	Electrophoretic deposition of functional organic molecules and composite films. Materials and Manufacturing Processes, 2017, 32, 389-393.	4.7	3
17	Generation of 10-GHz duty-cycle tunable square optical pulse in an SOA-based mode-locked fiber laser. Laser Physics, 2011, 21, 1909-1913.	1.2	2
18	Small-size streak tube for imaging lidar. Proceedings of SPIE, 2017, , .	0.8	2

#	Article	IF	Citations
19	Effects of Superparamagnetic Iron Nanoparticles on Electrocatalysts for the Reduction of Oxygen. Inorganic Chemistry, 2021, 60, 4236-4242.	4.0	2
20	New metastable carbon phases observed by HRTEM. Microscopy and Microanalysis, 2019, 25, 1728-1729.	0.4	1
21	New Diamond Structures Observed by Aberration-corrected TEM. Microscopy and Microanalysis, 2020, 26, 2024-2026.	0.4	1
22	Development of Mega-electron-volt Ultrafast Electron Diffraction at SLAC National Accelerator Laboratory â€“ Towards a Multifunctional Platform for Ultrafast Science. Microscopy and Microanalysis, 2020, 26, 208-209.	0.4	1
23	Electrochemistry in an MeV UED System: The Structural Dynamics of In Situ Lithium-intercalated WTe₂. Microscopy and Microanalysis, 2020, 26, 1152-1154.	0.4	1
24	Numerical simulation study on quantum efficiency characteristics of InP/InGaAs/InP infrared photocathode. , 2016, , .		0
25	Numerical study and test of the APS linac transverse deflecting cavity. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 923, 118-126.	1.6	0
26	Photo-induced ultrafast phase transition in twisted bilayer graphene. Microscopy and Microanalysis, 2021, 27, 2954-2956.	0.4	0
27	Design of a femtosecond electron diffractometer with adjustable gaps. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 052901.	0.5	0