Dongke Li

List of Publications by Year
in descending order

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29	324	840776 11	888059 17
papers	citations	h-index	g-index

30	30	30	315
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced subband light emission from Si quantum dots/SiO₂ multilayers via phosphorus and boron co-doping. Optics Express, 2022, 30, 12308.	3.4	10
2	Highâ€Efficiency Airâ€Processed Siâ€Based Perovskite Lightâ€Emitting Devices via PMMAâ€TBAPF₆ Coâ€Doping. Advanced Optical Materials, 2022, 10, .	7.3	9
3	Improved resonant energy transfer and light emission from SnO₂ nanocrystals and Er³⁺ embedded in silica films via Yb³⁺ co-doping. Optical Materials Express, 2022, 12, 3101.	3.0	1
4	Multiple channels to enhance near-infrared emission from SiO₂â€“SnO₂:Er³⁺ films by Ba²⁺ ion doping. Physical Chemistry Chemical Physics, 2021, 23, 23711-23717.	2.8	6
5	Enhanced Electroluminescence From Sn/Er Co-Doped SiO₂ Thin Film by Controlling Sn Content. IEEE Photonics Technology Letters, 2021, 33, 1359-1362.	2.5	6
6	Size-Dependent and Enhanced Photovoltaic Performance of Solar Cells Based on Si Quantum Dots. Energies, 2020, 13, 4845.	3.1	9
7	Comparative study on P and B doped nano-crystalline Si multilayers. Applied Surface Science, 2020, 529, 146971.	6.1	13
8	A review: wafer bonding of Si-based semiconductors. Journal Physics D: Applied Physics, 2020, 53, 323001.	2.8	19
9	Low power consumption light emitting device containing TiO₂:Er³⁺ thin film prepared by sol-gel method. Optics Express, 2020, 28, 6064.	3.4	10
10	Variation on the Microstructure and Mechanical Properties of Ti-Al-N Films Induced by RF-ICP Ion Source Enhanced Reactive Nitrogen Plasma Atmosphere. Nanoscale Research Letters, 2020, 15, 119.	5.7	0
11	Improved device performance of Si-based heterojunction solar cells by using phosphorus doped Si nanocrystals embedded in SiC host matrix. AIP Advances, 2019, 9, .	1.3	5
12	Plasmon-enhanced upconversion luminescence in pyrochlore phase Yb x Er2-x Ti2O7 thin film. Nanotechnology, 2019, 30, 085701.	2.6	8
13	Allâ€Inorganic Perovskite Quantum Dots/pâ€Si Heterojunction Lightâ€Emitting Diodes under DC and AC Driving Modes. Advanced Optical Materials, 2018, 6, 1700897.	7.3	39
14	Dual Management of Electrons and Photons to Get Highâ€Performance Light Emitting Devices Based on Si Nanowires and Si Quantum Dots with Al 2 O 3 â€Ag Hybrid Nanostructures. Particle and Particle Systems Characterization, 2018, 35, 1800289.	2.3	0
15	Size-dependent phosphorus doping effect in nanocrystalline-Si-based multilayers. Applied Surface Science, 2018, 461, 66-71.	6.1	8
16	Nanoscale Characterization of Active Doping Concentration in Boronâ€Doped Individual Si Nanocrystals. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800531.	1.8	3
17	Enhanced up-conversion red light emission from rare earth titanium oxide nanocrystals with pyrochlore phase. Optical Materials Express, 2018, 8, 2643.	3.0	13
18	Doping effect in Si nanocrystals. Journal Physics D: Applied Physics, 2018, 51, 233002.	2.8	12

#	Article	IF	Citations
19	Si nanocrystals-based multilayers for luminescent and photovoltaic device applications. Journal of Semiconductors, 2018, 39, 061007.	3.7	5
20	The phosphorus and boron co-doping behaviors at nanoscale in Si nanocrystals/SiO2 multilayers. Applied Physics Letters, 2017, 110, .	3.3	24
21	Enhanced carrier mobility in Si nano-crystals via nanoscale phosphorus doping. Applied Surface Science, 2017, 425, 492-496.	6.1	19
22	Doping effect in Si Nanocrystals/SiO₂ multilayers. Journal of Physics: Conference Series, 2017, 864, 012012.	0.4	0
23	Modulation of surface states by phosphorus to improve the optical properties of ultra-small Si nanocrystals. Nanotechnology, 2017, 28, 475704.	2.6	19
24	Transition of Carrier Transport Behaviors with Temperature in Phosphorus-Doped Si Nanocrystals/SiO2 Multilayers. Nanoscale Research Letters, 2016, 11, 346.	5.7	19
25	Time-resolved and temperature-dependent photoluminescence study on phosphorus doped Si quantum dots/SiO_2 multilayers with ultra-small dot sizes. Optical Materials Express, 2016, 6, 3233.	3.0	20
26	Effects of RF inductively coupled plasma ion source on the microstructure and mechanical properties of Tiâ€“Alâ€“N nanocrystalline films. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	3
27	Synthesis and characterization of Cu2S nanoparticles by diethylenetriamine-assisted hydrothermal method. Optik, 2015, 126, 4971-4973.	2.9	21
28	Stabilizing electric switching of ferromagnetism in In2O3:Cu thin films. Journal of Alloys and Compounds, 2015, 650, 912-917.	5.5	3
29	Effects of Al concentrations on the microstructure and mechanical properties of Tiâ€“Alâ€“N films deposited by RF-ICPIS enhanced magnetron sputtering. Journal of Alloys and Compounds, 2014, 609, 239-243.	5.5	20