

Xuan-Dung Mai

List of Publications by Year in descending order

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30
papers

354
citations

759055

12
h-index

839398

18
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30
all docs

30
docs citations

30
times ranked

584
citing authors

#	ARTICLE	IF	CITATIONS
1	Supersonically Spray-Coated Colloidal Quantum Dot Ink Solar Cells. <i>Scientific Reports</i> , 2017, 7, 622.	1.6	51
2	Scalable synthesis of highly photoluminescence carbon quantum dots. <i>Materials Letters</i> , 2020, 268, 127595.	1.3	35
3	High performance of PbSe/PbS core/shell quantum dot heterojunction solar cells: short circuit current enhancement without the loss of open circuit voltage by shell thickness control. <i>Nanoscale</i> , 2015, 7, 17473-17481.	2.8	31
4	Crosslinking induced photoluminescence quenching in polyvinyl alcohol-carbon quantum dot composite. <i>Materials Today Chemistry</i> , 2019, 12, 166-172.	1.7	28
5	Tuning Optical Properties of Si Quantum Dots by π -Conjugated Capping Molecules. <i>Chemistry - an Asian Journal</i> , 2013, 8, 653-664.	1.7	26
6	Newly Synthesized Silicon Quantum Dot-polystyrene Nanocomposite Having Thermally Robust Positive Charge Trapping. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 2400-2409.	4.0	25
7	Inverted Schottky quantum dot solar cells with enhanced carrier extraction and air-stability. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20799-20805.	5.2	22
8	Post-decorated surface fluorophores enhance the photoluminescence of carbon quantum dots. <i>Chemical Physics</i> , 2019, 527, 110503.	0.9	19
9	Excitation-Independent Emission of Carbon Quantum Dot Solids. <i>Advances in Materials Science and Engineering</i> , 2020, 2020, 1-5.	1.0	17
10	Novel synthesis of covalently linked silicon quantum dot-polystyrene hybrid materials: Silicon quantum dot-polystyrene polymers of tunable refractive index. <i>Materials Chemistry and Physics</i> , 2014, 148, 463-472.	2.0	16
11	Hysteresis and Photoinstability Caused by Mobile Ions in Colloidal Quantum Dot Photovoltaics. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5259-5263.	2.1	14
12	InP Quantum Dot-Organosilicon Nanocomposites. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 1491-1504.	1.0	12
13	Effects of Curing Temperature on the Optical and Charge Trap Properties of InP Quantum Dot Thin Films. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 263-272.	1.0	8
14	Condensable InP quantum dots solid. <i>Current Applied Physics</i> , 2013, 13, 1075-1081.	1.1	6
15	The Large-Scale Synthesis of Vinyl-Functionalized Silicon Quantum Dot and Its Application in Miniemulsion Polymerization. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-7.	1.5	6
16	Photosynthesis of Silver Nanoparticle - Carbon Quantum Dots Nanocomposites. <i>Material Science Research India</i> , 2019, 16, 118-124.	0.9	6
17	Synthesis of Styryl-Terminated Silicon Quantum Dots: Reconsidering the Use of Methanol. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 4185-4187.	1.0	6
18	Boosting the current density in inverted Schottky PbS quantum dot solar cells with conjugated electrolyte. <i>Materials Letters</i> , 2019, 249, 37-40.	1.3	5

#	ARTICLE	IF	CITATIONS
19	Effect of pH on the Formation of Amorphous TiO ₂ Complexes and TiO ₂ Anatase during the Pyrolysis of an Aqueous TiCl ₄ Solution. <i>Catalysts</i> , 2020, 10, 1187.	1.6	5
20	Enhanced Red Emission in Ultrasound-Assisted Sol-Gel Derived ZnO/PMMA Nanocomposite. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-8.	1.0	3
21	Tuning the Emission Color of Hydrothermally Synthesized Carbon Quantum Dots by Precursor Engineering. <i>VNU Journal of Science Natural Sciences and Technology</i> , 2019, 35, .	0.1	3
22	Size-dependent reactivity of highly photoluminescent CdZnTeS alloyed quantum dots to mercury and lead ions. <i>Chemical Physics</i> , 2022, 552, 111378.	0.9	3
23	Simultaneous Synthesis of Anatase Colloidal and Multiple- ϵ -branched Rutile TiO_2 Nanostructures. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 401-405.	1.0	2
24	Surface polarity controls the optical properties of one-pot synthesized silicon quantum dots. <i>Chemical Physics</i> , 2019, 518, 107-111.	0.9	1
25	Effect of chloride treatment on optical and electrical properties of PbS quantum dots. <i>Chemical Physics</i> , 2020, 538, 110895.	0.9	1
26	NGHIÃŠN Cá»U Sá»- Dá»NG CHá»M LÃ»á»NG Tá»- CARBON TRONG PHÃ»,N TÃ»CH hCG. Tá»p ChÃ-Khoa Há»c VÃ CÃng Nghá»t - Ã»i NguyÃ»n, 2020, 225, 58-64.	0.0	1
27	Ultralow-n SiO ₂ Thin Films Synthesized Using Organic Nanoparticles Template. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 3593-3599.	1.0	1
28	Homogeneous and highly photoluminescent composites based on in-situ formed fluorophores in PVA blends. <i>Materials Letters</i> , 2022, 319, 132269.	1.3	1
29	The Efficiency Reaches a Plateau in Inverted Schottky Quantum Dot Solar Cells. <i>Lecture Notes in Networks and Systems</i> , 2019, , 566-571.	0.5	0
30	Low-Temperature ZnO Thin Film and Its Application in PbS Quantum Dot Solar Cells. <i>VNU Journal of Science Natural Sciences and Technology</i> , 2018, 34, .	0.1	0