

S Wageh

List of Publications by Year in descending order

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56
papers

4,129
citations

361413

20
h-index

149698

56
g-index

57
all docs

57
docs citations

57
times ranked

4720
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene in Photocatalysis: A Review. <i>Small</i> , 2016, 12, 6640-6696.	10.0	836
2	CdS/Graphene Nanocomposite Photocatalysts. <i>Advanced Energy Materials</i> , 2015, 5, 1500010.	19.5	694
3	Enhanced visible light photocatalytic H ₂ -production of g-C ₃ N ₄ /WS ₂ composite heterostructures. <i>Applied Surface Science</i> , 2015, 358, 196-203.	6.1	327
4	A new heterojunction in photocatalysis: S-scheme heterojunction. <i>Chinese Journal of Catalysis</i> , 2021, 42, 667-669.	14.0	260
5	Design principle of S-scheme heterojunction photocatalyst. <i>Journal of Materials Science and Technology</i> , 2022, 124, 171-173.	10.7	257
6	Growth and optical properties of colloidal ZnS nanoparticles. <i>Journal of Crystal Growth</i> , 2003, 255, 332-337.	1.5	213
7	New understanding on the different photocatalytic activity of wurtzite and zinc-blende CdS. <i>Applied Catalysis B: Environmental</i> , 2016, 192, 101-107.	20.2	212
8	Nitrogen-doped TiO ₂ microsheets with enhanced visible light photocatalytic activity for CO ₂ reduction. <i>Chinese Journal of Catalysis</i> , 2015, 36, 2127-2134.	14.0	197
9	Hierarchical C/NiO-ZnO nanocomposite fibers with enhanced adsorption capacity for Congo red. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 736-745.	9.4	123
10	NiFe-LDH nanosheet/carbon fiber nanocomposite with enhanced anionic dye adsorption performance. <i>Applied Surface Science</i> , 2020, 511, 145570.	6.1	112
11	S-scheme ZnO/WO ₃ heterojunction photocatalyst for efficient H ₂ O ₂ production. <i>Journal of Materials Science and Technology</i> , 2022, 124, 193-201.	10.7	108
12	S-Scheme 2D/2D Bi ₂ MoO ₆ /BiOI van der Waals heterojunction for CO ₂ photoreduction. <i>Chinese Journal of Catalysis</i> , 2022, 43, 1657-1666.	14.0	75
13	3D BiOI@GO composite with enhanced photocatalytic performance for phenol degradation under visible-light. <i>Ceramics International</i> , 2015, 41, 3511-3517.	4.8	74
14	CdS/polymer S-scheme H ₂ -production photocatalyst and its in-situ irradiated electron transfer mechanism. <i>Chinese Journal of Catalysis</i> , 2022, 43, 586-588.	14.0	64
15	Raman and photoluminescence study of CdSe nanoparticles capped with a bifunctional molecule. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2007, 39, 8-14.	2.7	60
16	Optical properties of strongly luminescing mercaptoacetic-acid-capped ZnS nanoparticles. <i>Journal of Luminescence</i> , 2003, 102-103, 768-773.	3.1	54
17	Improved solar efficiency by introducing graphene oxide in purple cabbage dye sensitized TiO ₂ based solar cell. <i>Solid State Communications</i> , 2014, 183, 56-59.	1.9	51
18	Graphene-Zn _{0.5} Cd _{0.5} S nanocomposite with enhanced visible-light photocatalytic CO ₂ reduction activity. <i>Applied Surface Science</i> , 2020, 506, 144683.	6.1	48

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19	Light Emitting Devices Based on CdSe Nanoparticles Capped With Mercaptoacetic Acid. IEEE Journal of Quantum Electronics, 2014, 50, 1-8.	1.9	21
20	Effect of aging on CdSe nanocrystals. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 16, 269-273.	2.7	20
21	Cd _{1-x} Zn _x S nanoparticles stabilized by a bifunctional organic molecule. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2810-2813.	2.7	19
22	Preparation and characterization of a novel system of CdS nanoparticles embedded in borophosphate glass matrix. Journal of Alloys and Compounds, 2013, 555, 161-168.	5.5	19
23	A photodiode based on PbS nanocrystallites for FYTRONIX solar panel automatic tracking controller. Physica B: Condensed Matter, 2017, 527, 44-51.	2.7	19
24	CdSe nanocrystals in novel phosphate glass matrix. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 3049-3054.	2.7	17
25	Band edge emission of ZnS nanoparticles prepared by excess of thiourea as a source of sulfur. Journal of Sol-Gel Science and Technology, 2013, 66, 443-451.	2.4	17
26	Silver Nanowires Digital Printing for Inverted Flexible Semi-transparent Solar Cells. Advanced Engineering Materials, 2021, 23, 2001305.	3.5	16
27	Study of blue electroluminescence from titania nanotubes doped into a polymeric matrix. Nanotechnology, 2006, 17, 100-104.	2.6	13
28	Design and optimization of light emitting devices based on CdTe-QD as an emissive layer. Journal of Luminescence, 2012, 132, 1957-1963.	3.1	11
29	Structure and optical properties of capped and uncapped CdS nanoparticles prepared in aqueous medium. Journal of Materials Science: Materials in Electronics, 2014, 25, 4830-4840.	2.2	11
30	Electrical and photoresponse properties of Au/ reduced graphene:poly(3-hexylthiophene) nanocomposite /p-Si photodiodes. Optical and Quantum Electronics, 2015, 47, 1779-1789.	3.3	11
31	Strong confinement of PbSe nanocrystals in phosphate glass. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1157-1163.	2.7	10
32	Structural, morphological and optical properties of PEDOT:PSS/QDs nano-composite films prepared by spin-casting. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 83, 64-68.	2.7	10
33	Facile Synthesis of Ternary Alloy of CdSe _{1-x} S _x Quantum Dots with Tunable Absorption and Emission of Visible Light. Nanomaterials, 2018, 8, 979.	4.1	10
34	Contact resistance corrected-electrical characteristics with channel length effects in π -conjugated small-molecule benzanthracene organic thin film transistors. Synthetic Metals, 2021, 273, 116670.	3.9	10
35	Digital printing of a novel electrode for stable flexible organic solar cells with a power conversion efficiency of 8.5%. Scientific Reports, 2021, 11, 14212.	3.3	10
36	Photocatalytic antibacterial and osteoinductivity. Chinese Journal of Catalysis, 2021, 42, 1051-1053.	14.0	10

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37	Structural and optical properties of CdZnTe quantum dots capped with a bifunctional Molecule. Journal of Materials Science: Materials in Electronics, 2017, 28, 9114-9125.	2.2	9
38	Photodiode based on Pb _{0.9} Cd _{0.1} S ternary alloy semiconductor for solar tracking systems. Journal of Materials Science: Materials in Electronics, 2018, 29, 16880-16893.	2.2	9
39	Enhanced Visible Light Photo-Catalytic Activity of ZnO and Ag-Doped ZnO (ZnO:Ag) Nanoparticles. Journal of Nanoscience and Nanotechnology, 2018, 18, 7682-7690.	0.9	8
40	Optical properties and thermal degradation of CdSe capped with 3-mercaptopropionic acid. Journal of Materials Science: Materials in Electronics, 2013, 24, 3049-3057.	2.2	7
41	Organic insulator layer influence on the electrical properties of N, N'-di (2-ethylhexyl) - 3, 4, 9, 10-perylene diimide organic thin-film transistors: Experiment and modeling. Chinese Journal of Physics, 2018, 56, 1964-1976.	3.9	7
42	Hysteresis control by varying Ta ₂ O ₅ -nanoparticles concentration in PMMA-Ta ₂ O ₅ bilayer gate dielectric of hybrid-organic thin film transistors. Organic Electronics, 2019, 75, 105390.	2.6	7
43	CdS Quantum Dots and Dye Co-Sensitized Nanorods TiO ₂ ; Solar Cell. Journal of Nanoelectronics and Optoelectronics, 2014, 9, 662-665.	0.5	7
44	An optical and structural investigation into CdTe nanocrystals embedded into the tellurium lithium borophosphate glass matrix. Science China: Physics, Mechanics and Astronomy, 2010, 53, 818-822.	5.1	6
45	Studying of Formation of Oxide Layer on the Surface of the Nanoparticles and Growth of CdTe Nanoparticles in Glass Matrix. Advanced Science Letters, 2012, 11, 110-119.	0.2	6
46	Anode material based on SWCNT for infrared quantum dot light-emitting devices. Optical and Quantum Electronics, 2010, 42, 263-276.	3.3	5
47	Ternary ZnS:Te nanoparticles capped with 3-mercaptopropionic acid prepared in aqueous media. Journal of Materials Science: Materials in Electronics, 2016, 27, 10877-10887.	2.2	5
48	Ultra-Violet Electroluminescence of ZnO Nanorods/MEH-PPV Heterojunctions by Optimizing Their Thickness and Using AZO as a Transparent Conductive Electrode. Materials, 2019, 12, 2976.	2.9	5
49	SYNTHESIS AND CHARACTERIZATION OF CdTe NANOPARTICLES EMBEDDED IN NOVEL GLASS MATRIX. International Journal of Nanoscience, 2009, 08, 605-610.	0.7	4
50	Electronic and excitonic processes in multilayer organic light emitting devices incorporating PbSe quantum dots. Journal of Computational Electronics, 2011, 10, 414-423.	2.5	4
51	ELECTROMAGNETIC MODELING OF OUTCOUPLING EFFICIENCY AND LIGHT EMISSION IN NEAR-INFRARED QUANTUM DOT LIGHT EMITTING DEVICES. Progress in Electromagnetics Research B, 2010, 24, 263-284.	1.0	3
52	Effect of adding reducing agent on the structure and optical properties of one-pot preparation method of CdTe quantum dots. Journal of Materials Science: Materials in Electronics, 2016, 27, 8384-8393.	2.2	2
53	Analysis and comparison of total resistance models for accurate static modeling of long- and short-channel OTFTs produced with various organic materials. Chinese Journal of Physics, 2020, 67, 180-192.	3.9	2
54	Structural and Optical Properties of Li ₂ O-NaF-ZnO-P ₂ O ₅ :(CdO) Tj ETQq0 0 0 ₂ rgBT /Over	0.4	2

#	ARTICLE	IF	CITATIONS
55	Negative differential resistance behavior in n-channel organic thin film transistors based on C 60 and PTCDI: Electrical characterization and parameter extraction. Physica Status Solidi (A) Applications and Materials Science, 0, , 2100500.	1.8	1
56	Drain-induced barrier lowering effect in organic thin-film transistors based on various organic small molecules: Channel length and drain voltage influences. Synthetic Metals, 2022, 287, 117066.	3.9	1