

Adil Raza

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

483
citations

623188

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676716

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all docs

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28
times ranked

511
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of TiN diffusion barrier layer on residual stress and carrier transport in flexible CZTSSe solar cells. <i>Ceramics International</i> , 2022, 48, 19891-19899.	2.3	9
2	In-situ synthesis of Cu ₂ ZnSnS ₄ /g-C ₃ N ₄ heterojunction for superior visible light-driven CO ₂ reduction. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 165, 110694.	1.9	11
3	Construction of Fe ₃ O ₄ bridged Pt/g-C ₃ N ₄ heterostructure with enhanced solar to fuel conversion. <i>Applied Surface Science</i> , 2022, 592, 153159.	3.1	6
4	Adsorption kinetics and photocatalytic properties of Cu ₂ ZnSnS ₄ @porous g-C ₃ N ₄ for contaminant removal. <i>Materials Science in Semiconductor Processing</i> , 2022, 150, 106912.	1.9	5
5	Effects of ethyl acetate additive on Cu ₂ ZnSnS ₄ solar cells fabricated with a facile dimethylformamide-based solution coating process. <i>Ceramics International</i> , 2021, 47, 6262-6269.	2.3	6
6	The visible light-driven highly efficient photocatalytic properties of Cu ₂ ZnSnS ₄ nanoparticles synthesized by a hydrothermal method. <i>New Journal of Chemistry</i> , 2021, 45, 1743-1752.	1.4	19
7	Investigation on optical temperature sensing behaviour <i>via</i> Ag island-enhanced luminescence doped I ² -NaGdF ₄ :Yb ³⁺ /Tm ³⁺ films/microfibers. <i>RSC Advances</i> , 2021, 11, 36569-36576.	1.7	3
8	Flexible CZTSSe thin film solar cells fabricated at low temperature with relieved residual stress by Sb incorporation. <i>Ceramics International</i> , 2020, 46, 1982-1989.	2.3	14
9	In-situ synthesis of mesoporous TiO ₂ -Cu ₂ ZnSnS ₄ heterostructured nanocomposite for enhanced photocatalytic degradation. <i>Applied Surface Science</i> , 2020, 505, 144540.	3.1	16
10	Studies of Z-scheme WO ₃ -TiO ₂ /Cu ₂ ZnSnS ₄ ternary nanocomposite with enhanced CO ₂ photoreduction under visible light irradiation. <i>Journal of CO₂ Utilization</i> , 2020, 37, 260-271.	3.3	61
11	Improvement of conduction band offset and efficiency of Cu ₂ ZnSn(S,Se) ₄ thin film solar cells by Cd alloying. <i>Materials Science in Semiconductor Processing</i> , 2020, 120, 105356.	1.9	3
12	Novel Cu ₂ ZnSnS ₄ /Pt/g-C ₃ N ₄ heterojunction photocatalyst with straddling band configuration for enhanced solar to fuel conversion. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119239.	10.8	79
13	Facile in-situ fabrication of TiO ₂ -Cu ₂ ZnSnS ₄ hybrid nanocomposites and their photoreduction of CO ₂ to CO/CH ₄ generation. <i>Applied Surface Science</i> , 2020, 529, 147005.	3.1	19
14	Effect of selenium partial pressure on the performance of Cu ₂ ZnSn(S, Se) ₄ solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 8662-8669.	1.1	1
15	Systems Evaluation through New Grey Relational Analysis Approach: An Application on Thermal Conductivityâ€™Petrophysical Parametersâ€™ Relationships. <i>Processes</i> , 2019, 7, 348.	1.3	24
16	Effect of evaporated Sb layer on performance of flexible CZTSSe thin film solar cell. <i>Solar Energy</i> , 2019, 193, 267-274.	2.9	15
17	Effect of selenization temperature on the properties of Sb ₂ Se ₃ thin films and solar cells by two-step method. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 19871-19879.	1.1	18
18	Performance enhancement of Cu ₂ ZnSn(S,Se) ₄ solar cell by inserting Sb and Sb ₂ Se ₃ doping layer at the bottom of CZTS precursor. <i>Materials Research Express</i> , 2019, 6, 125920.	0.8	2

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19	Polymer Microfibers Incorporated with Silver Nanoparticles: a New Platform for Optical Sensing. <i>Nanoscale Research Letters</i> , 2019, 14, 270.	3.1	9
20	Hydrothermal synthesis of Fe ₃ O ₄ /TiO ₂ /g-C ₃ N ₄ : Advanced photocatalytic application. <i>Applied Surface Science</i> , 2019, 488, 887-895.	3.1	67
21	Influence of Ge layer location on performance of flexible CZTSSe thin film solar cell. <i>Vacuum</i> , 2019, 165, 186-192.	1.6	16
22	IR filtering properties of TiAlN/Cu/TiAlN coatings. <i>Materials Research Express</i> , 2019, 6, 055511.	0.8	2
23	Formation of Inverted Pyramid-Like Submicron Structures on Multicrystalline Silicon Using Nitric Acid as Oxidant in Metal Assisted Chemical Etching Process. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800636.	0.8	3
24	Passivation properties of alumina for multicrystalline silicon nanostructure prepared by spin-coating method. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	5
25	Cost-effective fabrication of polycrystalline TiO ₂ with tunable n/p response for selective hydrogen monitoring. <i>Sensors and Actuators B: Chemical</i> , 2018, 274, 10-21.	4.0	29
26	Performance enhancement of flexible CZTSSe solar cells on optimized roughness substrate. <i>Optical Engineering</i> , 2018, 57, 1.	0.5	2
27	Solvothermal Synthesis of p-type Cu ₂ ZnSnS ₄ -Based Nanocrystals and Photocatalytic Properties for Degradation of Methylene Blue. <i>Catalysis Letters</i> , 2017, 147, 1844-1850.	1.4	22
28	Improvement of CZTSSe thin film solar cell by introducing a three-layer structure precursor. <i>Materials Letters</i> , 2016, 172, 90-93.	1.3	17