

Alaric W Taylor

List of Publications by Year in descending order

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26
papers

1,057
citations

567281

15
h-index

552781

26
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27
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27
docs citations

27
times ranked

1912
citing authors

#	ARTICLE	IF	CITATIONS
1	Intelligent Multifunctional VO ₂ /SiO ₂ /TiO ₂ Coatings for Self-Cleaning, Energy-Saving Window Panels. Chemistry of Materials, 2016, 28, 1369-1376.	6.7	221
2	Evidence and Effect of Photogenerated Charge Transfer for Enhanced Photocatalysis in WO ₃ /TiO ₂ Heterojunction Films: A Computational and Experimental Study. Advanced Functional Materials, 2017, 27, 1605413.	14.9	115
3	Multifunctional P-Doped TiO ₂ Films: A New Approach to Self-Cleaning, Transparent Conducting Oxide Materials. Chemistry of Materials, 2015, 27, 3234-3242.	6.7	113
4	A bioinspired solution for spectrally selective thermochromic VO ₂ coated intelligent glazing. Optics Express, 2013, 21, A750.	3.4	90
5	Copper-based water repellent and antibacterial coatings by aerosol assisted chemical vapour deposition. Chemical Science, 2016, 7, 5126-5131.	7.4	87
6	Chemical Vapor Deposition of Photocatalytically Active Pure Brookite TiO ₂ Thin Films. Chemistry of Materials, 2018, 30, 1353-1361.	6.7	79
7	Humidity-Tolerant Ultrathin NiO Gas-Sensing Films. ACS Sensors, 2020, 5, 1389-1397.	7.8	38
8	Robust Operation of Mesoporous Antireflective Coatings under Variable Ambient Conditions. ACS Applied Materials & Interfaces, 2018, 10, 10315-10321.	8.0	33
9	Structural Characterization of Mesoporous Thin Film Architectures: A Tutorial Overview. ACS Applied Materials & Interfaces, 2020, 12, 5195-5208.	8.0	33
10	Homeotropic alignment and Förster resonance energy transfer: The way to a brighter luminescent solar concentrator. Journal of Applied Physics, 2014, 116, 173103.	2.5	31
11	High Defect Nanoscale ZnO Films with Polar Facets for Enhanced Photocatalytic Performance. ACS Applied Nano Materials, 2019, 2, 2881-2889.	5.0	29
12	Efficiency and loss mechanisms of plasmonic Luminescent Solar Concentrators. Optics Express, 2013, 21, A735.	3.4	28
13	Single step route to highly transparent, conductive and hazy aluminium doped zinc oxide films. RSC Advances, 2018, 8, 42300-42307.	3.6	28
14	Flexible and fluorophore-doped luminescent solar concentrators based on polydimethylsiloxane. Optics Letters, 2016, 41, 713.	3.3	27
15	Charge Transport Phenomena in Heterojunction Photocatalysts: The WO ₃ /TiO ₂ System as an Archetypical Model. ACS Applied Materials & Interfaces, 2021, 13, 9781-9793.	8.0	24
16	A Toolkit to Quantify Target Compounds in Thin-Layer-Chromatography Experiments. Journal of Chemical Education, 2018, 95, 2191-2196.	2.3	16
17	Photocatalytic Template Removal by Non-Ozone-Generating UV Irradiation for the Fabrication of Well-Defined Mesoporous Inorganic Coatings. ACS Applied Materials & Interfaces, 2019, 11, 19308-19314.	8.0	16
18	Supramolecular packing of alkyl substituted Janus face all-cis-2,3,4,5,6-pentafluorocyclohexyl motifs. Chemical Science, 2021, 12, 9712-9719.	7.4	10

#	ARTICLE	IF	CITATIONS
19	Influence of Depth of Interaction upon the Performance of Scintillator Detectors. PLoS ONE, 2014, 9, e98177.	2.5	8
20	Understanding spontaneous dissolution of crystalline layered carbon nitride for tuneable photoluminescent solutions and glasses. Journal of Materials Chemistry A, 2021, 9, 2175-2183.	10.3	8
21	Large Scale Production of Photonic Crystals on Scintillators. IEEE Transactions on Nuclear Science, 2016, 63, 639-643.	2.0	7
22	Use of a New Non-Pyrophoric Liquid Aluminum Precursor for Atomic Layer Deposition. Materials, 2019, 12, 1429.	2.9	6
23	Chemical vapour deposition (CVD) of nickel oxide using the novel nickel dialkylaminoalkoxide precursor [Ni(dmamp) ₂] (dmamp ² = 2-dimethylamino-2-methyl-1-propanolate). RSC Advances, 3.6 2021, 11, 22199-22205.		5
24	Highly sensitive optical microresonator sensors for photoacoustic imaging. Proceedings of SPIE, 2014, , .	0.8	3
25	Photocatalysis: Evidence and Effect of Photogenerated Charge Transfer for Enhanced Photocatalysis in WO ₃ /TiO ₂ Heterojunction Films: A Computational and Experimental Study (Adv. Funct. Mater. 18/2017). Advanced Functional Materials, 2017, 27, .	14.9	1
26	Optimising Light Source Positioning for Even and Flux-Efficient Illumination. Journal of Open Source Software, 2019, 4, 1392.	4.6	1