Alaric W Taylor

List of Publications by Year
in descending order

26 papers	1,057 citations	567281 15 h-index	552781 26 g-index
27 all docs	27 docs citations	27 times ranked	1912 citing authors

#	Article	IF	Citations
1	Chemical vapour deposition (CVD) of nickel oxide using the novel nickel dialkylaminoalkoxide precursor [Ni(dmampâ€²)₂] (dmampâ€² = 2-dimethylamino-2-methyl-1-propanolate). RSC Advances, 2021, 11, 22199-22205.	3.6	5
2	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
3	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
4	Charge Transport Phenomena in Heterojunction Photocatalysts: The WO₃/TiO₂ System as an Archetypical Model. ACS Applied Materials & Interfaces, 2021, 13, 9781-9793.	8.0	24
5	Structural Characterization of Mesoporous Thin Film Architectures: A Tutorial Overview. ACS Applied Materials & Interfaces, 2020, 12, 5195-5208.	8.0	33
6	Humidity-Tolerant Ultrathin NiO Gas-Sensing Films. ACS Sensors, 2020, 5, 1389-1397.	7.8	38
7	Use of a New Non-Pyrophoric Liquid Aluminum Precursor for Atomic Layer Deposition. Materials, 2019, 12, 1429.	2.9	6
8	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
9	High Defect Nanoscale ZnO Films with Polar Facets for Enhanced Photocatalytic Performance. ACS Applied Nano Materials, 2019, 2, 2881-2889.	5.0	29
10	Optimising Light Source Positioning for Even and Flux-Efficient Illumination. Journal of Open Source Software, 2019, 4, 1392.	4.6	1
11	Robust Operation of Mesoporous Antireflective Coatings under Variable Ambient Conditions. ACS Applied Materials & Interfaces, 2018, 10, 10315-10321.	8.0	33
12	Chemical Vapor Deposition of Photocatalytically Active Pure Brookite TiO₂ Thin Films. Chemistry of Materials, 2018, 30, 1353-1361.	6.7	79
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	A Toolkit to Quantify Target Compounds in Thin-Layer-Chromatography Experiments. Journal of Chemical Education, 2018, 95, 2191-2196.	2.3	16
15	Photocatalysis: Evidence and Effect of Photogenerated Charge Transfer for Enhanced Photocatalysis in WO₃/TiO₂ Heterojunction Films: A Computational and Experimental Study (Adv. Funct. Mater. 18/2017). Advanced Functional Materials, 2017, 27, .	14.9	1
16	Evidence and Effect of Photogenerated Charge Transfer for Enhanced Photocatalysis in WO₃/TiO₂ Heterojunction Films: A Computational and Experimental Study. Advanced Functional Materials, 2017, 27, 1605413.	14.9	115
17	Large Scale Production of Photonic CrystalsÂonÂScintillators. IEEE Transactions on Nuclear Science, 2016, 63, 639-643.	2.0	7
18	Copper-based water repellent and antibacterial coatings by aerosol assisted chemical vapour deposition. Chemical Science, 2016, 7, 5126-5131.	7.4	87

#	Article	IF	Citations
19	Flexible and fluorophore-doped luminescent solar concentrators based on polydimethylsiloxane. Optics Letters, 2016, 41, 713.	3.3	27
20	Intelligent Multifunctional VO₂/SiO₂/TiO₂ Coatings for Self-Cleaning, Energy-Saving Window Panels. Chemistry of Materials, 2016, 28, 1369-1376.	6.7	221
21	Multifunctional P-Doped TiO₂ Films: A New Approach to Self-Cleaning, Transparent Conducting Oxide Materials. Chemistry of Materials, 2015, 27, 3234-3242.	6.7	113
22	Influence of Depth of Interaction upon the Performance of Scintillator Detectors. PLoS ONE, 2014, 9, e98177.	2.5	8
23	Highly sensitive optical microresonator sensors for photoacoustic imaging. Proceedings of SPIE, 2014, , .	0.8	3
24	Homeotropic alignment and FÃ¶rster resonance energy transfer: The way to a brighter luminescent solar concentrator. Journal of Applied Physics, 2014, 116, 173103.	2.5	31
25	A bioinspired solution for spectrally selective thermochromic VO_2 coated intelligent glazing. Optics Express, 2013, 21, A750.	3.4	90
26	Efficiency and loss mechanisms of plasmonic Luminescent Solar Concentrators. Optics Express, 2013, 21, A735.	3.4	28