Peter J Holliman

List of Publications by Year
in descending order

40	757	567281 15	526287 27
papers	citations	h-index	g-index

40	40	40	1312
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ozone for SARS-CoV-2 inactivation on surfaces and in liquid cell culture media. Journal of Hazardous Materials, 2022, 428, 128251.	12.4	24
2	Treatments of wood ash amended biochar to reduce nutrient leaching and immobilise lead, copper, zinc and cadmium in aqueous solution: column experiments. Environmental Science: Water Research and Technology, 2022, 8, 1277-1286.	2.4	3
3	Synthesis of SOT-OH and its application as a building block for the synthesis of new dimeric and trimeric Spiro-OMeTAD materials. Molecular Systems Design and Engineering, 2022, 7, 899-905.	3.4	1
4	Double Linker Triphenylamine Dyes for Dye-Sensitized Solar Cells. Energies, 2020, 13, 4637.	3.1	8
5	Novel benzothiazole half-squaraines: model chromophores to study dyeâ€“TiO₂interactions in dye-sensitized solar cells. Journal of Materials Chemistry A, 2020, 8, 22191-22205.	10.3	4
6	Metal Oxide Oxidation Catalysts as Scaffolds for Perovskite Solar Cells. Materials, 2020, 13, 949.	2.9	5
7	Hybrid Al2O3-CH3NH3PbI3 Perovskites towards Avoiding Toxic Solvents. Materials, 2020, 13, 243.	2.9	4
8	Desorption of carboxylates and phosphonates from galvanized steel: Towards greener lubricants. Surface and Interface Analysis, 2019, 51, 934-942.	1.8	2
9	Low cost triazatruxene hole transporting material for >20% efficiency perovskite solar cells. Journal of Materials Chemistry C, 2019, 7, 5235-5243.	5.5	50
10	Improving the light harvesting and colour range of methyl ammonium lead tri-bromide (MAPbBr₃) perovskite solar cells through co-sensitisation with organic dyes. Chemical Communications, 2019, 55, 35-38.	4.1	16
11	Spectral response mapping of co-sensitized dye-sensitized solar cells dyed processed using rapid adsorption/desorption. Materials Letters: X, 2019, 3, 100015.	0.7	0
12	Rapid, 5â€¯min, low temperature aqueous platinization for plastic substrates for dye-sensitized solar cells. Materials Letters: X, 2019, 1, 100001.	0.7	0
13	Low temperature sintering of aqueous TiO2 colloids for flexible, co-sensitized dye-sensitized solar cells. Materials Letters, 2019, 236, 289-291.	2.6	11
14	Study of the tribological properties and ageing of alkyphosphonic acid films on galvanized steel. Tribology International, 2018, 119, 337-344.	5.9	9
15	A perspective on using experiment and theory to identify design principles in dye-sensitized solar cells. Science and Technology of Advanced Materials, 2018, 19, 599-612.	6.1	3
16	Digital imaging to simultaneously study device lifetimes of multiple dye-sensitized solar cells. Sustainable Energy and Fuels, 2017, 1, 362-370.	4.9	7
17	Studies of inherent lubricity coatings for low surface roughness galvanised steel for automotive applications. Lubrication Science, 2017, 29, 317-333.	2.1	8
18	A novel dimethylformamide (DMF) free bar-cast method to deposit organolead perovskite thin films with improved stability. Chemical Communications, 2016, 52, 4301-4304.	4.1	19

#	Article	IF	Citations
19	Solvent issues during processing and device lifetime for perovskite solar cells. Materials Research Innovations, 2015, 19, 508-511.	2.3	19
20	Surface interactions of half-squaraine dyes in dye-sensitized solar cells. Materials Research Innovations, 2015, 19, 494-496.	2.3	2
21	Tracing dissolved organic carbon and trihalomethane formation potential between source water and finished drinking water at a lowland and an upland UK catchment. Science of the Total Environment, 2015, 537, 203-212.	8.0	16
22	Facile self-assembly and stabilization of metal oxide nanoparticles. Journal of Colloid and Interface Science, 2015, 442, 110-119.	9.4	9
23	Multiple linker half-squarylium dyes for dye-sensitized solar cells; are two linkers better than one?. Journal of Materials Chemistry A, 2015, 3, 2883-2894.	10.3	22
24	Dissolved organic carbon and trihalomethane formation potential removal during coagulation of a typical UK upland water with alum, PAX-18 and PIX-322. Journal of Water Supply: Research and Technology - AQUA, 2014, 63, 650-660.	1.4	5
25	Perovskite processing for photovoltaics: a spectro-thermal evaluation. Journal of Materials Chemistry A, 2014, 2, 19338-19346.	10.3	99
26	In situ monitoring and optimization of room temperature ultra-fast sensitization for dye-sensitized solar cells. Chemical Communications, 2014, 50, 12512-12514.	4.1	8
27	A study of dye anchoring points in half-squarylium dyes for dye-sensitized solar cells. Journal of Materials Chemistry A, 2014, 2, 4055-4066.	10.3	40
28	Development of selective, ultra-fast multiple co-sensitization to control dye loading in dye-sensitized solar cells. RSC Advances, 2014, 4, 2515-2522.	3.6	35
29	Low temperature sintering of binder-containing TiO₂/metal peroxide pastes for dye-sensitized solar cells. Journal of Materials Chemistry A, 2014, 2, 11134-11143.	10.3	16
30	Study of optical losses in mechanically stacked dye-sensitized/CdTe tandem solar cells. Materials Research Society Symposia Proceedings, 2013, 1538, 221-226.	0.1	0
31	Influence of habitat on the quantity and composition of leachable carbon in the O2 horizon: Potential implications for potable water treatment. Lake and Reservoir Management, 2012, 28, 282-292.	1.3	16
32	Ultra-fast co-sensitization and tri-sensitization of dye-sensitized solar cells with N719, SQ1 and triarylamine dyes. Journal of Materials Chemistry, 2012, 22, 13318.	6.7	79
33	Rapid, continuous in situ monitoring of dye sensitisation in dye-sensitized solar cells. Journal of Materials Chemistry, 2011, 21, 4321.	6.7	37
34	Efficient synthesis of ordered organo-layered double hydroxides. Green Chemistry, 2010, 12, 688.	9.0	31
35	Ultra-fast dye sensitisation and co-sensitisation for dye sensitized solar cells. Chemical Communications, 2010, 46, 7256.	4.1	91
36	The production of nanoparticulate ceria using reverse micelle sol gel techniques. Journal of Materials Chemistry, 2009, 19, 3517.	6.7	29

#	Article	IF	Citations
37	Studies of Dye Sensitisation Kinetics and Sorption Isotherms of Direct Red 23 on Titania. International Journal of Photoenergy, 2008, 2008, 1-7.	2.5	29
38	Surface Engineering Dye-sensitized Solar Cells. , 0, , .		0
39	Linking theory and experiment to surface engineer environmentally sustainable solar cells. , 0, , .		0
40	Synthesis of SOT-OH as a building block for the synthesis of new dimeric and trimeric Spiro-OMeTAD Materials. , 0, , .		0