

# Patrick Sm Dunlop

## List of Publications by Year in descending order

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45  
papers

6,255  
citations

201385

27  
h-index

264894

42  
g-index

46  
all docs

46  
docs citations

46  
times ranked

8621  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on the visible light active titanium dioxide photocatalysts for environmental applications. <i>Applied Catalysis B: Environmental</i> , 2012, 125, 331-349.	10.8	3,320
2	Photocatalytic inactivation of <i>E. coli</i> in surface water using immobilised nanoparticle TiO <sub>2</sub> films. <i>Water Research</i> , 2009, 43, 47-54.	5.3	241
3	The photocatalytic removal of bacterial pollutants from drinking water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 148, 355-363.	2.0	221
4	A Review of Heterogeneous Photocatalysis for Water and Surface Disinfection. <i>Molecules</i> , 2015, 20, 5574-5615.	1.7	186
5	Photocatalytic Enhancement for Solar Disinfection of Water: A Review. <i>International Journal of Photoenergy</i> , 2011, 2011, 1-12.	1.4	172
6	Solar photocatalysis for water disinfection: materials and reactor design. <i>Catalysis Science and Technology</i> , 2014, 4, 1211-1226.	2.1	165
7	Use of selected scavengers for the determination of NF-TiO <sub>2</sub> reactive oxygen species during the degradation of microcystin-LR under visible light irradiation. <i>Journal of Molecular Catalysis A</i> , 2016, 425, 183-189.	4.8	157
8	Solar photocatalytic disinfection of water using titanium dioxide graphene composites. <i>Chemical Engineering Journal</i> , 2015, 261, 36-44.	6.6	145
9	The photocatalytic degradation of atrazine on nanoparticulate TiO <sub>2</sub> films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 182, 43-51.	2.0	139
10	Synthesis, characterization and photocatalytic evaluation of visible light activated C-doped TiO <sub>2</sub> nanoparticles. <i>Nanotechnology</i> , 2012, 23, 294003.	1.3	130
11	Intrinsic kinetics of photocatalytic oxidation of formic and oxalic acid on immobilised TiO <sub>2</sub> films. <i>Applied Catalysis A: General</i> , 2004, 262, 105-110.	2.2	123
12	Mechanism of photocatalytic disinfection using titania-graphene composites under UV and visible irradiation. <i>Chemical Engineering Journal</i> , 2017, 316, 179-186.	6.6	123
13	Inactivation of clinically relevant pathogens by photocatalytic coatings. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 216, 303-310.	2.0	114
14	Solar photocatalytic disinfection of water with immobilised titanium dioxide in re-circulating flow CPC reactors. <i>Applied Catalysis B: Environmental</i> , 2012, 128, 126-134.	10.8	89
15	Effect of photocatalysis on the transfer of antibiotic resistance genes in urban wastewater. <i>Catalysis Today</i> , 2015, 240, 55-60.	2.2	89
16	A comparative study on the removal of cylindrospermopsin and microcystins from water with NF-TiO <sub>2</sub> -P25 composite films with visible and UV-vis light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2012, 121-122, 30-39.	10.8	81
17	Anion-Doped TiO <sub>2</sub> Nanocatalysts for Water Purification under Visible Light. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 13957-13964.	1.8	79
18	Photocatalytic inactivation of <i>Clostridium perfringens</i> spores on TiO <sub>2</sub> electrodes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 196, 113-119.	2.0	78

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19	Water treatment using nano-crystalline TiO <sub>2</sub> electrodes. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 148, 365-374.	2.0	77
20	Evaluating the Mechanism of Visible Light Activity for N,F-TiO <sub>2</sub> Using Photoelectrochemistry. Journal of Physical Chemistry C, 2014, 118, 12206-12215.	1.5	67
21	Inactivation and injury assessment of Escherichia coli during solar and photocatalytic disinfection in LDPE bags. Chemosphere, 2011, 85, 1160-1166.	4.2	58
22	Elimination of water pathogens with solar radiation using an automated sequential batch CPC reactor. Journal of Hazardous Materials, 2011, 196, 16-21.	6.5	49
23	Comparative in vitro cytotoxicity study of carbon nanotubes and titania nanostructures on human lung epithelial cells. Journal of Hazardous Materials, 2011, 191, 56-61.	6.5	42
24	Photocatalytic and electrochemically assisted photocatalytic oxidation of formic acid on TiO <sub>2</sub> films under UVA and UVB irradiation. Journal of Applied Electrochemistry, 2005, 35, 723-731.	1.5	37
25	Photocatalytic inactivation of Cryptosporidium parvum on nanostructured titanium dioxide films. Journal of Water and Health, 2010, 8, 83-91.	1.1	34
26	Photocatalytic Disinfection of Bacterial Pollutants Using Suspended and Immobilized TiO <sub>2</sub> Powders. Photochemistry and Photobiology, 2012, 88, 728-735.	1.3	33
27	Electrochemical Enhancement of Photocatalytic Disinfection on Aligned TiO <sub>2</sub> and Nitrogen Doped TiO <sub>2</sub> Nanotubes. Molecules, 2017, 22, 704.	1.7	32
28	Application of azo dyes as dosimetric indicators for enhanced photocatalytic solar disinfection (ENPHOSODIS). Journal of Photochemistry and Photobiology A: Chemistry, 2011, 218, 185-191.	2.0	25
29	Chapter Green Nanotechnology: Development of Nanomaterials for Environmental and Energy Applications. ACS Symposium Series, 2013, , 201-229.	0.5	24
30	Monitoring genotoxicity during the photocatalytic degradation of p-nitrophenol. Journal of Applied Toxicology, 2004, 24, 395-400.	1.4	19
31	Agro and industrial residues: Potential raw materials for photocatalyst development. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 411, 113184.	2.0	15
32	Ultraviolet-based heterogeneous advanced oxidation processes as technologies to remove pharmaceuticals from wastewater: An overview. Journal of Environmental Chemical Engineering, 2022, 10, 107630.	3.3	14
33	Electrochemical Growth of Titanium Oxide Nanotubes: The Effect of Surface Roughness and Applied Potential. Journal of Nanoscience and Nanotechnology, 2009, 9, 4215-4219.	0.9	13
34	Efficacy of single pass UVC air treatment for the inactivation of coronavirus, MS2 coliphage and Staphylococcus aureus bioaerosols. Journal of Aerosol Science, 2022, 164, 106003.	1.8	13
35	Evaluation of ozone-based oxidation and solar advanced oxidation treatment of greywater. Journal of Environmental Chemical Engineering, 2020, 8, 104309.	3.3	10
36	Electrochemical Investigation of Doped Titanium Dioxide. International Journal of Photoenergy, 2008, 2008, 1-8.	1.4	8

#	ARTICLE	IF	CITATIONS
37	An impedimetric sensor for monitoring the growth of <i>Staphylococcus epidermidis</i> . , 2006, 2006, 535-8.		7
38	Supported TiO <sub>2</sub> on Borosilicate Glass Plates for Efficient Photocatalytic Degradation of Fenamiphos. <i>Journal of Catalysts</i> , 2014, 2014, 1-8.	0.5	6
39	Photocatalysis in Environment, Energy, and Sustainability. <i>International Journal of Photoenergy</i> , 2016, 2016, 1-2.	1.4	5
40	Comparison of Photocatalytic Activities of Commercial Titanium Dioxide Powders Immobilised on Glass Substrates. <i>Journal of Advanced Oxidation Technologies</i> , 2010, 13, .	0.5	4
41	Hierarchical titania nanostructures prepared with focused ion beam-assisted anodisation of titanium in an aqueous electrolyte. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 119, 107-113.	1.1	4
42	Assessment of low-cost cartridge filters for implementation in household drinking water treatment systems. <i>Journal of Water Process Engineering</i> , 2021, 39, 101710.	2.6	4
43	Photo-Oxidation of Water Using Nanocrystalline Tungsten Oxide under VisibleLight. <i>International Journal of Photoenergy</i> , 2008, 2008, 1-5.	1.4	2
44	Effect of Post-annealing on the Photocatalytic Activity of Hydrothermally Synthesised Titania Nanotubes. <i>Journal of Advanced Oxidation Technologies</i> , 2011, 14, .	0.5	0
45	An impedimetric sensor for monitoring the growth of <i>Staphylococcus epidermidis</i> . <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006, , .	0.5	0