

# 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	Ultraviolet-based heterogeneous advanced oxidation processes as technologies to remove pharmaceuticals from wastewater: An overview. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107630.	3.3	14
2	Efficacy of single pass UVC air treatment for the inactivation of coronavirus, MS2 coliphage and <i>Staphylococcus aureus</i> bioaerosols. <i>Journal of Aerosol Science</i> , 2022, 164, 106003.	1.8	13
3	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
4	Agro and industrial residues: Potential raw materials for photocatalyst development. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 411, 113184.	2.0	15
5	Evaluation of ozone-based oxidation and solar advanced oxidation treatment of greywater. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104309.	3.3	10
6	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
7	Electrochemical Enhancement of Photocatalytic Disinfection on Aligned TiO <sub>2</sub> and Nitrogen Doped TiO <sub>2</sub> Nanotubes. <i>Molecules</i> , 2017, 22, 704.	1.7	32
8	Photocatalysis in Environment, Energy, and Sustainability. <i>International Journal of Photoenergy</i> , 2016, 2016, 1-2.	1.4	5
9	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
10	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
11	A Review of Heterogeneous Photocatalysis for Water and Surface Disinfection. <i>Molecules</i> , 2015, 20, 5574-5615.	1.7	186
12	Effect of photocatalysis on the transfer of antibiotic resistance genes in urban wastewater. <i>Catalysis Today</i> , 2015, 240, 55-60.	2.2	89
13	Solar photocatalytic disinfection of water using titanium dioxide graphene composites. <i>Chemical Engineering Journal</i> , 2015, 261, 36-44.	6.6	145
14	Solar photocatalysis for water disinfection: materials and reactor design. <i>Catalysis Science and Technology</i> , 2014, 4, 1211-1226.	2.1	165
15	Evaluating the Mechanism of Visible Light Activity for N,F-TiO <sub>2</sub> Using Photoelectrochemistry. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12206-12215.	1.5	67
16	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
17	Chapter Green Nanotechnology: Development of Nanomaterials for Environmental and Energy Applications. <i>ACS Symposium Series</i> , 2013, , 201-229.	0.5	24
18	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

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19	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
20	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
21	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
22	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
23	Photocatalytic Disinfection of Bacterial Pollutants Using Suspended and Immobilized TiO <sub>2</sub> Powders. <i>Photochemistry and Photobiology</i> , 2012, 88, 728-735.	1.3	33
24	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
25	Elimination of water pathogens with solar radiation using an automated sequential batch CPC reactor. <i>Journal of Hazardous Materials</i> , 2011, 196, 16-21.	6.5	49
26	Inactivation and injury assessment of <i>Escherichia coli</i> during solar and photocatalytic disinfection in LDPE bags. <i>Chemosphere</i> , 2011, 85, 1160-1166.	4.2	58
27	Comparative in vitro cytotoxicity study of carbon nanotubes and titania nanostructures on human lung epithelial cells. <i>Journal of Hazardous Materials</i> , 2011, 191, 56-61.	6.5	42
28	Application of azo dyes as dosimetric indicators for enhanced photocatalytic solar disinfection (ENPHOSODIS). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 218, 185-191.	2.0	25
29	Photocatalytic Enhancement for Solar Disinfection of Water: A Review. <i>International Journal of Photoenergy</i> , 2011, 2011, 1-12.	1.4	172
30	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
31	Photocatalytic inactivation of <i>Cryptosporidium parvum</i> on nanostructured titanium dioxide films. <i>Journal of Water and Health</i> , 2010, 8, 83-91.	1.1	34
32	Inactivation of clinically relevant pathogens by photocatalytic coatings. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 216, 303-310.	2.0	114
33	Electrochemical Growth of Titanium Oxide Nanotubes: The Effect of Surface Roughness and Applied Potential. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 4215-4219.	0.9	13
34	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
35	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
36	Electrochemical Investigation of Doped Titanium Dioxide. <i>International Journal of Photoenergy</i> , 2008, 2008, 1-8.	1.4	8

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37	Photo-Oxidation of Water Using Nanocrystalline Tungsten Oxide under VisibleLight. International Journal of Photoenergy, 2008, 2008, 1-5.	1.4	2
38	The photocatalytic degradation of atrazine on nanoparticulate TiO2 films. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 182, 43-51.	2.0	139
39	An impedimetric sensor for monitoring the growth of Staphylococcus epidermidis. , 2006, 2006, 535-8.		7
40	An impedimetric sensor for monitoring the growth of Staphylococcus epidermidis. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
41	Photocatalytic and electrochemically assisted photocatalytic oxidation of formic acid on TiO2 films under UVA and UVB irradiation. Journal of Applied Electrochemistry, 2005, 35, 723-731.	1.5	37
42	Intrinsic kinetics of photocatalytic oxidation of formic and oxalic acid on immobilised TiO2 films. Applied Catalysis A: General, 2004, 262, 105-110.	2.2	123
43	Monitoring genotoxicity during the photocatalytic degradation of p-nitrophenol. Journal of Applied Toxicology, 2004, 24, 395-400.	1.4	19
44	The photocatalytic removal of bacterial pollutants from drinking water. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 148, 355-363.	2.0	221
45	Water treatment using nano-crystalline TiO2 electrodes. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 148, 365-374.	2.0	77