

# Declan E McCormack

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

2,812  
citations

279487

23  
h-index

433756

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

4226  
citing authors

#	ARTICLE	IF	CITATIONS
1	A conceptual change in crystallisation mechanisms of oxide materials from solutions in closed systems. <i>Scientific Reports</i> , 2020, 10, 18414.	1.6	2
2	Antibacterial properties of F-doped ZnO visible light photocatalyst. <i>Journal of Hazardous Materials</i> , 2017, 324, 39-47.	6.5	187
3	Photocatalytic Properties of g-C <sub>3</sub> N <sub>4</sub> @TiO <sub>2</sub> Heterojunctions under UV and Visible Light Conditions. <i>Materials</i> , 2016, 9, 286.	1.3	72
4	New approach of modifying the anatase to rutile transition temperature in TiO <sub>2</sub> photocatalysts. <i>RSC Advances</i> , 2016, 6, 95232-95238.	1.7	98
5	Investigation of the mechanical and thermal fatigue properties of hybrid sol-gel coatings applied to AA2024 substrates. <i>Journal of Coatings Technology Research</i> , 2016, 13, 1083-1094.	1.2	2
6	Improved high temperature stability of anatase TiO <sub>2</sub> photocatalysts by N, F, P co-doping. <i>Materials and Design</i> , 2016, 96, 44-53.	3.3	58
7	An effective method for the preparation of high temperature stable anatase TiO <sub>2</sub> photocatalysts. <i>Applied Surface Science</i> , 2016, 371, 447-452.	3.1	33
8	A review of solar and visible light active TiO <sub>2</sub> photocatalysis for treating bacteria, cyanotoxins and contaminants of emerging concern. <i>Materials Science in Semiconductor Processing</i> , 2016, 42, 2-14.	1.9	484
9	Antimicrobial properties of vertically aligned nano-tubular copper. <i>Materials Letters</i> , 2014, 128, 60-63.	1.3	15
10	Advances in the synthesis of ZnO nanomaterials for varistor devices. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3268.	2.7	139
11	Dual-action hygienic coatings: Benefits of hydrophobicity and silver ion release for protection of environmental and clinical surfaces. <i>Journal of Colloid and Interface Science</i> , 2010, 345, 286-292.	5.0	33
12	Rapid microwave synthesis of mesoporous TiO <sub>2</sub> for electrochromic displays. <i>Journal of Materials Chemistry</i> , 2010, 20, 3650.	6.7	100
13	Silver doped perfluoropolyether-urethane coatings: Antibacterial activity and surface analysis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 72, 62-67.	2.5	38
14	One-Pot Synthesis of Anionic (Nitrogen) and Cationic (Sulfur) Codoped High-Temperature Stable, Visible Light Active, Anatase Photocatalysts. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3246-3253.	1.5	118
15	Microwave-assisted synthesis of ZnO micro-javelins. <i>Journal of Materials Chemistry</i> , 2009, 19, 9250.	6.7	51
16	Prevention of <i>Staphylococcus epidermidis</i> biofilm formation using a low-temperature processed silver-doped phenyltriethoxysilane sol-gel coating. <i>Biomaterials</i> , 2008, 29, 963-969.	5.7	149
17	Improved High-Temperature Stability and Sun-Light-Driven Photocatalytic Activity of Sulfur-Doped Anatase TiO <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , 2008, 112, 7644-7652.	1.5	215
18	High performance ZnO varistors prepared from nanocrystalline precursors for miniaturised electronic devices. <i>Journal of Materials Chemistry</i> , 2008, 18, 3926.	6.7	45

#	ARTICLE	IF	CITATIONS
19	A novel processing route for the production of nanoparticulate zinc oxide using an isophthalate precursor. <i>Smart Materials and Structures</i> , 2007, 16, 1379-1381.	1.8	16
20	A Simple Solâˆ“Gel Processing for the Development of High-Temperature Stable Photoactive Anatase Titania. <i>Chemistry of Materials</i> , 2007, 19, 4474-4481.	3.2	122
21	The effect of the rate of precursor production on the purity and aggregation morphology of nanoparticulate zinc oxide. <i>Journal of Materials Chemistry</i> , 2007, 17, 181-184.	6.7	10
22	Synthesis of High-Temperature Stable Anatase TiO <sub>2</sub> Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2007, 111, 1605-1611.	1.5	271
23	Effect of step sintering on breakdown voltage of varistors prepared from nanomaterials by sol gel route. <i>Advances in Applied Ceramics</i> , 2006, 105, 158-160.	0.6	20
24	Microstructural analysis of varistors prepared from nanosize ZnO. <i>Materials Science and Technology</i> , 2004, 20, 964-968.	0.8	28
25	Self-assembled arrays of ZnO nanoparticles and their application as varistor materials Electronic supplementary information (ESI) available: XRD plots and FESEM images. See <a href="http://www.rsc.org/suppdata/jm/b4/b400927d/">http://www.rsc.org/suppdata/jm/b4/b400927d/</a> . <i>Journal of Materials Chemistry</i> , 2004, 14, 1572.	6.7	80
26	Growth of well-defined ZnO microparticles by hydroxide ion hydrolysis of zinc salts Electronic supplementary information (ESI) available: SEM images of initial precipitate and of particles formed by Method A. See <a href="http://www.rsc.org/suppdata/jm/b2/b211723c/">http://www.rsc.org/suppdata/jm/b2/b211723c/</a> . <i>Journal of Materials Chemistry</i> , 2003, 13, 1196-1201.	6.7	202
27	The effect of processing conditions on varistors prepared from nanocrystalline ZnO. <i>Journal of Materials Chemistry</i> , 2003, 13, 2586-2590.	6.7	138
28	Sensors and signals. <i>Analytical Proceedings</i> , 1991, 28, 102.	0.4	9
29	Uranyl ions in perfluorinated (Nafion and Flemion) membranes: spectroscopic and photophysical properties and reactions with potassium hydroxide. <i>Polymer</i> , 1990, 31, 387-394.	1.8	10
30	Microheterogeneous catalysis in modified electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989, 261, 51-59.	0.3	40
31	Transport and kinetics in multicomponent chemically modified electrodes. <i>Faraday Discussions of the Chemical Society</i> , 1989, 88, 139.	2.2	27