

Michael E A Warwick

List of Publications by Year in descending order

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49
papers

1,403
citations

331670

21
h-index

330143

37
g-index

51
all docs

51
docs citations

51
times ranked

1999
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in thermochromic vanadium dioxide films. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3275-3292.	10.3	215
2	Fe ₂ O ₃ @TiO ₂ Nano-heterostructure Photoanodes for Highly Efficient Solar Water Oxidation. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500313.	3.7	103
3	Band gap modulation in zirconium-based metal-organic frameworks by defect engineering. <i>Journal of Materials Chemistry A</i> , 2019, 7, 23781-23786.	10.3	79
4	Vapor Phase Processing of \pm -Fe ₂ O ₃ Photoelectrodes for Water Splitting: An Insight into the Structure/Property Interplay. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8667-8676.	8.0	76
5	Fluorine doped vanadium dioxide thin films for smart windows. <i>Thin Solid Films</i> , 2011, 520, 1363-1366.	1.8	74
6	Effects of film thickness and thermal treatment on the structural and opto-electronic properties of Ga-doped ZnO films deposited by sol-gel method. <i>Solar Energy Materials and Solar Cells</i> , 2015, 137, 202-209.	6.2	73
7	The effect of transition gradient in thermochromic glazing systems. <i>Energy and Buildings</i> , 2014, 77, 80-90.	6.7	46
8	Pt-functionalized Fe ₂ O ₃ photoanodes for solar water splitting: the role of hematite nano-organization and the platinum redox state. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 12899-12907.	2.8	45
9	Nanostructured tungsten oxide gas sensors prepared by electric field assisted aerosol assisted chemical vapour deposition. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1827-1833.	10.3	43
10	Chemical vapour deposition of thermochromic vanadium dioxide thin films for energy efficient glazing. <i>Journal of Solid State Chemistry</i> , 2014, 214, 53-66.	2.9	38
11	Fe ₂ O ₃ @TiO ₂ nanosystems by a hybrid PE-CVD/ALD approach: controllable synthesis, growth mechanism, and photocatalytic properties. <i>CrystEngComm</i> , 2015, 17, 6219-6226.	2.6	37
12	VO ₂ /TiO ₂ bilayer films for energy efficient windows with multifunctional properties. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4485-4493.	5.5	31
13	Hematite-based nanocomposites for light-activated applications: Synergistic role of TiO ₂ and Au introduction. <i>Solar Energy Materials and Solar Cells</i> , 2017, 159, 456-466.	6.2	30
14	Electric field assisted chemical vapour deposition – a new method for the preparation of highly porous supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6115-6120.	10.3	29
15	Multifunctional Nanocomposite Thin Films by Aerosol-Assisted CVD. <i>Chemical Vapor Deposition</i> , 2010, 16, 220-224.	1.3	28
16	Hybrid chemical vapour and nanoceramic aerosol assisted deposition for multifunctional nanocomposite thin films. <i>Thin Solid Films</i> , 2011, 519, 5942-5948.	1.8	28
17	The effect of variation in the transition hysteresis width and gradient in thermochromic glazing systems. <i>Solar Energy Materials and Solar Cells</i> , 2015, 140, 253-265.	6.2	28
18	The Application of Electric Fields to Aerosol Assisted Chemical Vapor Deposition Reactions. <i>Journal of the Electrochemical Society</i> , 2011, 158, D62.	2.9	27

#	ARTICLE	IF	CITATIONS
19	Thermally stable Pt/Ti mesh catalyst for catalytic hydrogen combustion. International Journal of Hydrogen Energy, 2020, 45, 16851-16864.	7.1	27
20	The Preparation of Titanium Dioxide Gas Sensors by the Electric Field Assisted Aerosol CVD Reaction of Titanium Isopropoxide in Toluene. Chemical Vapor Deposition, 2012, 18, 102-106.	1.3	23
21	Thermochromic vanadium dioxide thin films prepared by electric field assisted atmospheric pressure chemical vapour deposition for intelligent glazing application and their energy demand reduction properties. Solar Energy Materials and Solar Cells, 2016, 157, 686-694.	6.2	22
22	Interplay of thickness and photoelectrochemical properties in nanostructured Fe_2O_3 thin films. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 1501-1507.	1.8	21
23	The Effect of Transition Hysteresis Width in Thermochromic Glazing Systems. Open Journal of Energy Efficiency, 2013, 02, 75-88.	1.0	21
24	Aerosol assisted chemical vapour deposition of conformal ZnO compact layers for efficient electron transport in perovskite solar cells. Materials Letters, 2018, 217, 251-254.	2.6	20
25	Electric Fields in the Chemical Vapour Deposition Growth of Vanadium Dioxide Thin Films. Journal of Nanoscience and Nanotechnology, 2011, 11, 8158-8162.	0.9	19
26	On the Effects of Electric Fields in Aerosol Assisted Chemical Vapour Deposition Reactions of Vanadyl Acetylacetonate Solutions in Ethanol. Journal of Nanoscience and Nanotechnology, 2011, 11, 8126-8131.	0.9	19
27	Titanium Dioxide Thin Films Deposited by Electric Field-Assisted CVD: Effect on Antimicrobial and Photocatalytic Properties ^{**} . Chemical Vapor Deposition, 2015, 21, 63-70.	1.3	19
28	Variation of Thermochromic Glazing Systems Transition Temperature, Hysteresis Gradient and Width Effect on Energy Efficiency. Buildings, 2016, 6, 22.	3.1	18
29	Iron-Titanium Oxide Nanocomposites Functionalized with Gold Particles: From Design to Solar Hydrogen Production. Advanced Materials Interfaces, 2016, 3, 1600348.	3.7	18
30	Thermochromic vanadium dioxide thin films from electric field assisted aerosol assisted chemical vapour deposition. Solar Energy Materials and Solar Cells, 2015, 143, 592-600.	6.2	17
31	Photocapacitive CdS/WO _x nanostructures for solar energy storage. Scientific Reports, 2019, 9, 11573.	3.3	17
32	Electric field assisted aerosol assisted chemical vapour deposition of nanostructured metal oxide thin films. Thin Solid Films, 2013, 544, 452-456.	1.8	16
33	Thermochromic vanadium dioxide thin films from electric field assisted aerosol assisted chemical vapour deposition. Surface and Coatings Technology, 2013, 230, 163-167.	4.8	16
34	Synthesis and energy modelling studies of titanium oxy-nitride films as energy efficient glazing. Solar Energy Materials and Solar Cells, 2013, 118, 149-156.	6.2	11
35	A study of Pt/Fe ₂ O ₃ Nanocomposites by XPS. Surface Science Spectra, 2015, 22, 47-57.	1.3	10
36	XPS analysis of Fe ₂ O ₃ -TiO ₂ -Au nanocomposites prepared by a plasma-assisted route. Surface Science Spectra, 2016, 23, 61-69.	1.3	10

#	ARTICLE	IF	CITATIONS
37	Photocatalytic Degradation of Rhodamine B Dye and Hydrogen Evolution by Hydrothermally Synthesized NaBH ₄ "Spiked" ZnS Nanostructures. <i>Frontiers in Chemistry</i> , 2022, 10, 835832.	3.6	10
38	Electric field assisted aerosol assisted chemical vapor deposition of nanostructured metal oxide thin films. <i>Surface and Coatings Technology</i> , 2013, 230, 28-32.	4.8	8
39	TiO ₂ -Fe ₂ O ₃ and Co ₃ O ₄ -Fe ₂ O ₃ nanocomposites analyzed by X-ray Photoelectron Spectroscopy. <i>Surface Science Spectra</i> , 2015, 22, 34-46.	1.3	7
40	Facemasks and ferrous metallurgy: improving gasification reactivity of low-volatile coals using waste COVID-19 facemasks for ironmaking application. <i>Scientific Reports</i> , 2022, 12, 2693.	3.3	6
41	Dual functionality anti-reflection and biocidal coatings. <i>Surface and Coatings Technology</i> , 2017, 324, 201-207.	4.8	5
42	Electric Fields and Chemical Vapor Deposition. <i>ECS Transactions</i> , 2010, 28, 1-13.	0.5	4
43	Water Splitting: Fe ₂ O ₃ "TiO ₂ Nano-heterostructure Photoanodes for Highly Efficient Solar Water Oxidation (<i>Adv. Mater. Interfaces</i> 17/2015). <i>Advanced Materials Interfaces</i> , 2015, 2, .	3.7	2
44	Woven Stainless-Steel Mesh as a Gas Separation Membrane for Alkaline Water-Splitting Electrolysis. <i>Membranes</i> , 2020, 10, 109.	3.0	2
45	Oleophobic composite films based on multi-layer graphitic scaffolding. <i>New Journal of Chemistry</i> , 0, , .	2.8	2
46	Structural and electronic properties of Cu ₄ O ₃ (paramelaconite): the role of native impurities. <i>Pure and Applied Chemistry</i> , 2021, 93, 1229-1244.	1.9	2
47	Composition analysis of Ta ₃ N ₅ /W ₁₈ O ₄₉ nanocomposite through XPS. <i>Surface Science Spectra</i> , 2018, 25, 024002.	1.3	1
48	Hydrogen Production: Iron-Titanium Oxide Nanocomposites Functionalized with Gold Particles: From Design to Solar Hydrogen Production (<i>Adv. Mater. Interfaces</i> 16/2016). <i>Advanced Materials Interfaces</i> , 2016, 3, .	3.7	0
49	Fabrication and Characterization of Fe₂/sub>O₃-Based Nanostructures Functionalized with Metal Particles and Oxide Overlayers. <i>Journal of Advanced Microscopy Research</i> , 2015, 10, 239-243.	0.3	0