Michael E A Warwick

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6715710/publications.pdf

Version: 2024-02-01

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	Facemasks and ferrous metallurgy: improving gasification reactivity of low-volatile coals using waste COVID-19 facemasks for ironmaking application. Scientific Reports, 2022, 12, 2693.	3.3	6
2	Photocatalytic Degradation of Rhodamine B Dye and Hydrogen Evolution by Hydrothermally Synthesized NaBH4â€"Spiked ZnS Nanostructures. Frontiers in Chemistry, 2022, 10, 835832.	3.6	10
3	Structural and electronic properties of Cu₄O₃ (paramelaconite): the role of native impurities. Pure and Applied Chemistry, 2021, 93, 1229-1244.	1.9	2
4	Thermally stable Pt/Ti mesh catalyst for catalytic hydrogen combustion. International Journal of Hydrogen Energy, 2020, 45, 16851-16864.	7.1	27
5	Woven Stainless-Steel Mesh as a Gas Separation Membrane for Alkaline Water-Splitting Electrolysis. Membranes, 2020, 10, 109.	3.0	2
6	Band gap modulation in zirconium-based metalâ€"organic frameworks by defect engineering. Journal of Materials Chemistry A, 2019, 7, 23781-23786.	10.3	79
7	Photocapacitive CdS/WOx nanostructures for solar energy storage. Scientific Reports, 2019, 9, 11573.	3.3	17
8	VO₂/TiO₂bilayer films for energy efficient windows with multifunctional properties. Journal of Materials Chemistry C, 2018, 6, 4485-4493.	5.5	31
9	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
10	Composition analysis of Ta3N5/W18O49 nanocomposite through XPS. Surface Science Spectra, 2018, 25, 024002.	1.3	1
11	Dual functionality anti-reflection and biocidal coatings. Surface and Coatings Technology, 2017, 324, 201-207.	4.8	5
12	Hematite-based nanocomposites for light-activated applications: Synergistic role of TiO2 and Au introduction. Solar Energy Materials and Solar Cells, 2017, 159, 456-466.	6.2	30
13	Variation of Thermochromic Glazing Systems Transition Temperature, Hysteresis Gradient and Width Effect on Energy Efficiency. Buildings, 2016, 6, 22.	3.1	18
14	XPS analysis of Fe2O3-TiO2-Au nanocomposites prepared by a plasma-assisted route. Surface Science Spectra, 2016, 23, 61-69.	1.3	10
15	Hydrogen Production: Iron-Titanium Oxide Nanocomposites Functionalized with Gold Particles: From Design to Solar Hydrogen Production (Adv. Mater. Interfaces 16/2016). Advanced Materials Interfaces, 2016, 3, .	3.7	0
16	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
17	Ironâ€"Titanium Oxide Nanocomposites Functionalized with Gold Particles: From Design to Solar Hydrogen Production. Advanced Materials Interfaces, 2016, 3, 1600348.	3.7	18
18	Water Splitting: Fe₂O₃â€"TiO₂ Nanoâ€heterostructure Photoanodes for Highly Efficient Solar Water Oxidation (Adv. Mater. Interfaces 17/2015). Advanced Materials Interfaces, 2015, 2, .	3.7	2

#	Article	IF	Citations
19	TiO2-Fe2O3 and Co3O4-Fe2O3 nanocomposites analyzed by X-ray Photoelectron Spectroscopy. Surface Science Spectra, 2015, 22, 34-46.	1.3	7
20	Fe₂O₃â€“TiO₂ Nanoâ€heterostructure Photoanodes for Highly Efficient Solar Water Oxidation. Advanced Materials Interfaces, 2015, 2, 1500313.	3.7	103
21	Interplay of thickness and photoelectrochemical properties in nanostructured Î±-Fe₂O₃ thin films. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 1501-1507.	1.8	21
22	Effects of film thickness and thermal treatment on the structural and opto-electronic properties of Ga-doped ZnO films deposited by solâ€“gel method. Solar Energy Materials and Solar Cells, 2015, 137, 202-209.	6.2	73
23	Titanium Dioxide Thin Films Deposited by Electric Fieldâ€Assisted CVD: Effect on Antimicrobial and Photocatalytic Properties^{**}. Chemical Vapor Deposition, 2015, 21, 63-70.	1.3	19
24	The effect of variation in the transition hysteresis width and gradient in thermochromic glazing systems. Solar Energy Materials and Solar Cells, 2015, 140, 253-265.	6.2	28
25	Fe₂O₃â€“TiO₂nanosystems by a hybrid PE-CVD/ALD approach: controllable synthesis, growth mechanism, and photocatalytic properties. CrystEngComm, 2015, 17, 6219-6226.	2.6	37
26	A study of Pt/Î±-Fe2O3 Nanocomposites by XPS. Surface Science Spectra, 2015, 22, 47-57.	1.3	10
27	Pt-functionalized Fe₂O₃photoanodes for solar water splitting: the role of hematite nano-organization and the platinum redox state. Physical Chemistry Chemical Physics, 2015, 17, 12899-12907.	2.8	45
28	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
29	Vapor Phase Processing of Î±-Fe₂O₃Photoelectrodes for Water Splitting: An Insight into the Structure/Property Interplay. ACS Applied Materials & Interfaces, 2015, 7, 8667-8676.	8.0	76
30	Fabrication and Characterization of Fe₂O₃-Based Nanostructures Functionalized with Metal Particles and Oxide Overlayers. Journal of Advanced Microscopy Research, 2015, 10, 239-243.	0.3	0
31	The effect of transition gradient in thermochromic glazing systems. Energy and Buildings, 2014, 77, 80-90.	6.7	46
32	Electric field assisted chemical vapour deposition â€“ a new method for the preparation of highly porous supercapacitor electrodes. Journal of Materials Chemistry A, 2014, 2, 6115-6120.	10.3	29
33	Chemical vapour deposition of thermochromic vanadium dioxide thin films for energy efficient glazing. Journal of Solid State Chemistry, 2014, 214, 53-66.	2.9	38
34	Advances in thermochromic vanadium dioxide films. Journal of Materials Chemistry A, 2014, 2, 3275-3292.	10.3	215
35	Nanostructured tungsten oxide gas sensors prepared by electric field assisted aerosol assisted chemical vapour deposition. Journal of Materials Chemistry A, 2013, 1, 1827-1833.	10.3	43
36	Electric field assisted aerosol assisted chemical vapour deposition of nanostructured metal oxide thin films. Thin Solid Films, 2013, 544, 452-456.	1.8	16

#	Article	IF	Citations
37	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
38	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
39	Electric field assisted aerosol assisted chemical vapor deposition of nanostructured metal oxide thin films. Surface and Coatings Technology, 2013, 230, 28-32.	4.8	8
40	The Effect of Transition Hysteresis Width in Thermochromic Glazing Systems. Open Journal of Energy Efficiency, 2013, 02, 75-88.	1.0	21
41	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
42	The Application of Electric Fields to Aerosol Assisted Chemical Vapor Deposition Reactions. Journal of the Electrochemical Society, 2011, 158, D62.	2.9	27
43	Fluorine doped vanadium dioxide thin films for smart windows. Thin Solid Films, 2011, 520, 1363-1366.	1.8	74
44	Hybrid chemical vapour and nanoceramic aerosol assisted deposition for multifunctional nanocomposite thin films. Thin Solid Films, 2011, 519, 5942-5948.	1.8	28
45	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
46	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
47	Multifunctional Nanocomposite Thin Films by Aerosolâ€Assisted CVD. Chemical Vapor Deposition, 2010, 16, 220-224.	1.3	28
48	Electric Fields and Chemical Vapor Deposition. ECS Transactions, 2010, 28, 1-13.	0.5	4
49	Oleophobic composite films based on multi-layer graphitic scaffolding. New Journal of Chemistry, 0, , .	2.8	2