

Cc Sorrell

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32
papers

2,958
citations

19
h-index

33
g-index

33
ext. papers

3,148
ext. citations

4.2
avg, IF

4.74
L-index

#	Paper	IF	Citations
32	Photo-electrochemical hydrogen generation from water using solar energy. Materials-related aspects. <i>International Journal of Hydrogen Energy</i> , 2002 , 27, 991-1022	6.7	1262
31	Solar-hydrogen: Environmentally safe fuel for the future. <i>International Journal of Hydrogen Energy</i> , 2005 , 30, 521-544	6.7	304
30	Sintering effects on the strength of hydroxyapatite. <i>Biomaterials</i> , 1995 , 16, 409-15	15.6	258
29	Electrophoretic Deposition of Hydroxyapatite Coatings on Metal Substrates: A Nanoparticulate Dual-Coating Approach. <i>Journal of Sol-Gel Science and Technology</i> , 2001 , 21, 39-48	2.3	135
28	Defect chemistry and semiconducting properties of titanium dioxide: II. Defect diagrams?. <i>Journal of Physics and Chemistry of Solids</i> , 2003 , 64, 1057-1067	3.9	97
27	Solar-hydrogen: Unresolved problems in solid-state science. <i>Solar Energy</i> , 2005 , 78, 593-602	6.8	97
26	Photo-electrochemical properties of the TiO ₂ -Pt system in aqueous solutions. <i>International Journal of Hydrogen Energy</i> , 2002 , 27, 19-26	6.7	92
25	Electrodeposited nanostructured WO ₃ thin films for photoelectrochemical applications. <i>Electrochimica Acta</i> , 2012 , 75, 371-380	6.7	89
24	Anatase-rutile transformation through high-temperature annealing of titania films produced by ultrasonic spray pyrolysis. <i>Thin Solid Films</i> , 2010 , 518, 3735-3742	2.2	86
23	Effect of Annealing Temperature on the Photocatalytic Activity of TiO ₂ Thin Films. <i>Energy Procedia</i> , 2013 , 34, 627-636	2.3	82
22	Defect chemistry and semiconducting properties of titanium dioxide: I. Intrinsic electronic equilibrium?. <i>Journal of Physics and Chemistry of Solids</i> , 2003 , 64, 1043-1056	3.9	70
21	Morphology and photocatalytic activity of highly oriented mixed phase titanium dioxide thin films. <i>Surface and Coatings Technology</i> , 2011 , 205, 3658-3664	4.4	58
20	Defect chemistry and semiconducting properties of titanium dioxide: III. Mobility of electronic charge carriers?. <i>Journal of Physics and Chemistry of Solids</i> , 2003 , 64, 1069-1087	3.9	50
19	Effect of single-cation doping and codoping with Mn and Fe on the photocatalytic performance of TiO ₂ thin films. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 21500-21511	6.7	38
18	Effect of Fe doping on TiO ₂ films prepared by spin coating. <i>Ceramics International</i> , 2012 , 38, 3943-3946	5.1	36
17	Effect of niobium on the structure of titanium dioxide thin films. <i>Thin Solid Films</i> , 2006 , 510, 119-124	2.2	33
16	Photoelectrochemical Properties of WO ₃ Thin Films Prepared by Electrodeposition. <i>Energy Procedia</i> , 2013 , 34, 617-626	2.3	28

15	Charge transport in polycrystalline titanium dioxide?. <i>Journal of Physics and Chemistry of Solids</i> , 2003 , 64, 1089-1095	3.9	25
14	Kinetics of Nb incorporation into barium titanate. <i>Journal of Physics and Chemistry of Solids</i> , 2001 , 62, 531-535	3.9	22
13	Synthesis of mixed-phase titania films by low-temperature ultrasonic spray pyrolysis. <i>Materials Letters</i> , 2010 , 64, 1365-1368	3.3	18
12	Mn-doped titania thin films prepared by spin coating. <i>Progress in Organic Coatings</i> , 2012 , 74, 645-647	4.8	15
11	Anatase thin films by ultrasonic spray pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2010 , 88, 98-101		15
10	Photoelectrochemical properties of WO ₃ nanoparticulate thin films prepared by carboxylic acid-assisted electrodeposition. <i>Thin Solid Films</i> , 2013 , 544, 191-196	2.2	14
9	Multivalent Mn-doped TiO ₂ thin films. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012 , 44, 1969-1972	3	13
8	Semiconducting properties of polycrystalline titanium dioxide. <i>Solid State Ionics</i> , 2002 , 154-155, 223-228	3.3	12
7	Effect of Film thickness on the Photocatalytic Performance of TiO ₂ Thin Films Deposited by Spin Coating. <i>Ceramic Engineering and Science Proceedings</i> , 2015 , 51-60	0.1	2
6	Microwave Sintering of ZrO ₂ Fiber-Reinforced Hydroxyapatite Matrix Composites. <i>Journal of Biomimetics, Biomaterials, and Tissue Engineering</i> , 2012 , 14, 93-106		2
5	Hydroxyapatite Matrix Composites by Hot Isostatic Pressing: Part 2. Zirconia Fibre and Powder Reinforced. <i>Journal of Biomimetics, Biomaterials, and Tissue Engineering</i> , 2012 , 15, 85-100		2
4	LIQUID PHASE SINTERING OF TI-Ba-Ca-Cu-O WITH SUPERCONDUCTING TRANSITION AT 122K. <i>Modern Physics Letters B</i> , 1988 , 02, 875-878	1.6	2
3	REMANENT EFFECTS AND GRANULAR JOSEPHSON TUNNELLING IN 1:2:3 MICRO-BRIDGE JUNCTIONS. <i>Modern Physics Letters B</i> , 1988 , 02, 907-913	1.6	1
2	High T _c Superconductivity Report. <i>Materials and Processing Report</i> , 1989 , 4, 2-6		
1	Well Adhered, Nanocrystalline, Photoactive, TiO ₂ , Thin Films Dip-Coated on Corona-Treated Poly(Ethylene Terephthalate) by Modified Sol-Gel Processing at ~95°C and Drying at ~130°C. <i>Ceramic Transactions</i> , 31-44	0.1	