Shahed U M Khan

List of Publications by Year
in descending order

31 papers	4,925 citations	623188 14 h-index	642321 23 g-index
31 all docs	31 docs citations	31 times ranked	6540 citing authors

#	Article	IF	Citations
1	Efficient Photochemical Water Splitting by a Chemically Modified n-TiO2. Science, 2002, 297, 2243-2245.	6.0	3,940
2	Photoelectrochemical Splitting of Water at Nanocrystalline n-Fe2O3 Thin-Film Electrodes. Journal of Physical Chemistry B, 1999, 103, 7184-7189.	1.2	378
3	Photoresponse of p-Type Zinc-Doped Iron(III) Oxide Thin Films. Journal of the American Chemical Society, 2004, 126, 10238-10239.	6.6	150
4	A Self-Driven pâ•n-Fe[sub 2]O[sub 3] Tandem Photoelectrochemical Cell for Water Splitting. Electrochemical and Solid-State Letters, 2006, 9, G144.	2.2	65
5	Stability and Photoresponse of Nanocrystalline nâ€‰â€â€‰TiO2 and nâ€‰â€â€‰TiO2â€‰/â€‰Mn2â€‰Oâ€‰3 Thin Film Electro Water Splitting Reactions. Journal of the Electrochemical Society, 1998, 145, 89-93.	1.3	57
6	A model for electron transfer at the illuminated p-type semiconductor-solution interface. The Journal of Physical Chemistry, 1984, 88, 2504-2515.	2.9	48
7	Inner-sphere reorganization energy of ions in solution: a molecular orbital calculation. The Journal of Physical Chemistry, 1989, 93, 5292-5295.	2.9	46
8	Fermi levels in solution. Applied Physics Letters, 1983, 42, 124-125.	1.5	31
9	Photoresponse of Visible Light Active Carbon-Modified-n-TiO[sub 2] Thin Films. Electrochemical and Solid-State Letters, 2007, 10, B56.	2.2	29
10	On the Evolution of Concepts Concerning Events at the Semiconductor/Solution Interface. Journal of the Electrochemical Society, 1985, 132, 2648-2655.	1.3	27
11	Relative contributions of inner- and outer-shell reorganization in electron-transfer reactions in solution. The Journal of Physical Chemistry, 1983, 87, 4012-4014.	2.9	20
12	Electronic transmission coefficient for outerâ€sphere electron transfer reactions in solution: A Landauâ€“Zener formalism. Journal of Chemical Physics, 1990, 93, 8808-8815.	1.2	20
13	Carbon modified (CM)-n-TiO2 thin films for efficient water splitting to H2 and O2 under xenon lamp light and natural sunlight illuminations. Journal of Solid State Electrochemistry, 2009, 13, 1025-1036.	1.2	19
14	Efficient Photocatalytic Reduction of CO2 Present in Seawater into Methanol over Cu/C-Co-Doped TiO2 Nanocatalyst Under UV and Natural Sunlight. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	14
15	The open circuit potential in solar cells. Journal of Applied Physics, 1981, 52, 7270-7274.	1.1	13
16	Force constant of transition metal ionâ€“ligand bonds: molecular-orbital calculations. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 535-538.	1.7	10
17	Laboratory and Pilot-Plant Scale Photocatalytic Degradation of Polychlorinated Biphenyls in Seawater Using CM-n-TiO₂Nanoparticles. International Journal of Photoenergy, 2016, 2016, 1-7.	1.4	10
18	Photoresponse of Electrochemically and Sprayâ€Pyrolytically Deposited CdTe Thin Film Electrodes. Journal of the Electrochemical Society, 1995, 142, 2539-2544.	1.3	9

#	Article	IF	Citations
19	Comment on â€˜â€˜Fermi levels in electrolytes and the absolute scale of redox potentialsâ€™â€™ [Appl. Phys. Lett.43, 393 (1983)]. Applied Physics Letters, 1984, 45, 913-913.	1.5	7
20	Photoresponse of Visible Light Active CM-n-TiO₂, HM-n-TiO₂, CM-n-Fe₂O₃, and CM-p-WO₃towards Water Splitting Reaction. International Journal of Photoenergy, 2012, 2012, 1-20.	1.4	7
21	Inner-sphere reorganization energy of ions in solution using the ionâ€“dipole orbiting potential. Journal of the Chemical Society Faraday Transactions I, 1986, 82, 2911.	1.0	6
22	Phenomenological Electrode Kinetics. , 1993, , 211-405.		5
23	The Interphasial Structure. , 1993, , 59-210.		4
24	Photoelectrochemistry. , 1993, , 483-575.		3
25	Molecular Aspects of Quantum Electrode Kinetics. , 1983, , 41-86.		3
26	Efficient Photochemical Water Splitting by a Chemically Modified n-TiO2.. ChemInform, 2003, 34, no.	0.1	2
27	Efficient Anode and Cathode Materials for Amorphous Silicon Solar Cell Driven all Solar Electrolysis of Water. Green, 2011, 1, .	0.4	1
28	Some Fundamental Aspects of Electrode Processes. , 1983, , 305-350.		1
29	Fundamental Aspects of Electron Transfer at Interfaces. , 1986, , 1-44.		0
30	Quantum-Oriented Electrochemistry. , 1993, , 407-481.		0
31	Quantum-Mechanical Formalisms of Electron Transfer Reactions at Electrodeâ€”Electrolyte Interfaces. , 1992, , 179-190.		0