

Shahed U M Khan

List of Publications by Year in descending order

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31
papers

4,925
citations

623734

14
h-index

642732

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-TiO ₂ . <i>Science</i> , 2002, 297, 2243-2245.	12.6	3,940
2	Photoelectrochemical Splitting of Water at Nanocrystalline n-Fe ₂ O ₃ Thin-Film Electrodes. <i>Journal of Physical Chemistry B</i> , 1999, 103, 7184-7189.	2.6	378
3	Photoresponse of p-Type Zinc-Doped Iron(III) Oxide Thin Films. <i>Journal of the American Chemical Society</i> , 2004, 126, 10238-10239.	13.7	150
4	A Self-Driven p-n-Fe ₂ O ₃ Tandem Photoelectrochemical Cell for Water Splitting. <i>Electrochemical and Solid-State Letters</i> , 2006, 9, G144.	2.2	65
5	Stability and Photoresponse of Nanocrystalline n-TiO ₂ and n-TiO ₂ /Mn ₂ O ₃ Thin Film Electrodes for Water Splitting Reactions. <i>Journal of the Electrochemical Society</i> , 1998, 145, 89-93.	2.9	57
6	A model for electron transfer at the illuminated p-type semiconductor-solution interface. <i>The Journal of Physical Chemistry</i> , 1984, 88, 2504-2515.	2.9	48
7	Inner-sphere reorganization energy of ions in solution: a molecular orbital calculation. <i>The Journal of Physical Chemistry</i> , 1989, 93, 5292-5295.	2.9	46
8	Fermi levels in solution. <i>Applied Physics Letters</i> , 1983, 42, 124-125.	3.3	31
9	Photoresponse of Visible Light Active Carbon-Modified-n-TiO ₂ Thin Films. <i>Electrochemical and Solid-State Letters</i> , 2007, 10, B56.	2.2	29
10	On the Evolution of Concepts Concerning Events at the Semiconductor/Solution Interface. <i>Journal of the Electrochemical Society</i> , 1985, 132, 2648-2655.	2.9	27
11	Relative contributions of inner- and outer-shell reorganization in electron-transfer reactions in solution. <i>The Journal of Physical Chemistry</i> , 1983, 87, 4012-4014.	2.9	20
12	Electronic transmission coefficient for outer-sphere electron transfer reactions in solution: A Landau-Zener formalism. <i>Journal of Chemical Physics</i> , 1990, 93, 8808-8815.	3.0	20
13	Carbon modified (CM)-n-TiO ₂ thin films for efficient water splitting to H ₂ and O ₂ under xenon lamp light and natural sunlight illuminations. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 1025-1036.	2.5	19
14	Efficient Photocatalytic Reduction of CO ₂ Present in Seawater into Methanol over Cu/C-Co-Doped TiO ₂ Nanocatalyst Under UV and Natural Sunlight. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	14
15	The open circuit potential in solar cells. <i>Journal of Applied Physics</i> , 1981, 52, 7270-7274.	2.5	13
16	Force constant of transition metal ion-ligand bonds: molecular-orbital calculations. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991, 87, 535-538.	1.7	10
17	Laboratory and Pilot-Plant Scale Photocatalytic Degradation of Polychlorinated Biphenyls in Seawater Using CM-n-TiO ₂ Nanoparticles. <i>International Journal of Photoenergy</i> , 2016, 2016, 1-7.	2.5	10
18	Photoresponse of Electrochemically and Spray-Pyrolytically Deposited CdTe Thin Film Electrodes. <i>Journal of the Electrochemical Society</i> , 1995, 142, 2539-2544.	2.9	9

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19	Comment on "Fermi levels in electrolytes and the absolute scale of redox potentials" [Appl. Phys. Lett.43, 393 (1983)]. Applied Physics Letters, 1984, 45, 913-913.	3.3	7
20	Photoresponse of Visible Light Active CM-n-TiO ₂ , HM-n-TiO ₂ , CM-n-Fe ₂ O ₃ , and CM-p-WO ₃ towards Water Splitting Reaction. International Journal of Photoenergy, 2012, 2012, 1-20.	2.5	7
21	Inner-sphere reorganization energy of ions in solution using the ion "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-TiO ₂ . ChemInform, 2003, 34, no.	0.0	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 Electrode "Electrolyte Interfaces. , 1992, , 179-190.		0