Tarek H Ghaddar

List of Publications by Year
in descending order

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44 papers	1,808 citations	304743 22 h-index	265206 42 g-index
44 all docs	44 docs citations	44 times ranked	2524 citing authors

#	Article	IF	Citations
1	Structure/Function Relationships in Dyes for Solar Energy Conversion: A Two-Atom Change in Dye Structure and the Mechanism for Its Effect on Cell Voltage. Journal of the American Chemical Society, 2009, 131, 3541-3548.	13.7	221
2	Waterâ€Based Electrolytes for Dyeâ€Sensitized Solar Cells. Advanced Materials, 2010, 22, 4505-4509.	21.0	156
3	Therapeutic potential of flavonoids in cancer: ROS-mediated mechanisms. Biomedicine and Pharmacotherapy, 2022, 146, 112442.	5.6	140
4	Metalâ€“Organic Framework Photocatalyst Incorporating Bis(4â€²-(4-carboxyphenyl)-terpyridine)ruthenium(II) for Visible-Light-Driven Carbon Dioxide Reduction. Journal of the American Chemical Society, 2019, 141, 7115-7121.	13.7	125
5	Dye adsorption, desorption, and distribution in mesoporous TiO2 films, and its effects on recombination losses in dye sensitized solar cells. Energy and Environmental Science, 2012, 5, 7203.	30.8	117
6	A new ruthenium polypyridyl dye, TG6, whose performance in dye-sensitized solar cells is surprisingly close to that of N719, the â€˜dye to beatâ€™ for 17 years. Journal of Materials Chemistry, 2008, 18, 4246.	6.7	102
7	A Dendrimer-Based Electron Antenna:Â Paired Electron-Transfer Reactions in Dendrimers with a 4,4â€˜-Bipyridine Core and Naphthalene Peripheral Groups. Journal of the American Chemical Society, 2002, 124, 8285-8289.	13.7	88
8	Re-evaluation of Recombination Losses in Dye-Sensitized Cells: The Failure of Dynamic Relaxation Methods to Correctly Predict Diffusion Length in Nanoporous Photoelectrodes. Nano Letters, 2009, 9, 3532-3538.	9.1	88
9	Solid-state photochemical and photomechanical properties of molecular crystal nanorods composed of anthracene ester derivatives. Journal of Materials Chemistry, 2011, 21, 6258.	6.7	76
10	Molecular Recognition and Electron Transfer Across a Hydrogen Bonding Interface. Journal of the American Chemical Society, 2000, 122, 1233-1234.	13.7	63
11	Fabrication of One-Dimensional Organic Nanostructures Using Anodic Aluminum Oxide Templates. Journal of Nanomaterials, 2009, 2009, 1-14.	2.7	46
12	Excimer Formation in a Naphthalene-Labeled Dendrimer. Journal of Physical Chemistry B, 2001, 105, 8729-8731.	2.6	36
13	Application of synchronous fluorescence scan spectroscopy for size dependent simultaneous analysis of CdTe nanocrystals and their mixtures. Talanta, 2009, 77, 1549-1554.	5.5	36
14	Enhancement of photocurrent in dye sensitized solar cells incorporating a cyclometalated ruthenium complex with cuprous iodide as an electrolyte additive. Dalton Transactions, 2011, 40, 3877.	3.3	35
15	Do Counter Electrodes on Metal Substrates Work with Cobalt Complex Based Electrolyte in Dye Sensitized Solar Cells?. Journal of the Electrochemical Society, 2013, 160, H132-H137.	2.9	32
16	Photophysical properties of new cyclometalated ruthenium complexes and their use in dye sensitized solar cells. Dalton Transactions, 2012, 41, 10643.	3.3	31
17	Investigation of carbon nanotube webs as counter electrodes in a new organic electrolyte based dye sensitized solar cell. Journal of Materials Chemistry, 2012, 22, 862-869.	6.7	29
18	Pulse Radiolysis Studies of Dendritic Macromolecules with Biphenyl Peripheral Groups and a Ruthenium Tris-bipyridine Core. Journal of the American Chemical Society, 2001, 123, 12832-12836.	13.7	25

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19	Identification of some rancidity measures at the end of the shelf life of sunflower oil. European Journal of Lipid Science and Technology, 2006, 108, 143-148.	1.5	25
20	Synthesis and Photophysical Properties of Ruthenium-Based Dendrimers and Their Use in Dye Sensitized Solar Cells. Inorganic Chemistry, 2008, 47, 3408-3414.	4.0	25
21	New pyridyl-based dyes for co-sensitization in dye sensitized solar cells. Solar Energy, 2019, 187, 108-114.	6.1	24
22	Large Enhancement of Dye Sensitized Solar Cell Efficiency by Co-sensitizing Pyridyl- and Carboxylic Acid-Based Dyes. ACS Applied Energy Materials, 2018, 1, 2776-2783.	5.1	23
23	Electrostatic Layer-by-Layer Deposition of Photoactive Dendrimers with Triviologen-Like Cores on Their Surfaces. Synthesis and Electrochemical and Photocurrent Generation Measurements. Langmuir, 2005, 21, 8844-8851.	3.5	22
24	Cobalt ferrite aerogels by epoxide solâ€“gel addition: Efficient catalysts for the hydrolysis of 4-nitrophenyl phosphate. Journal of Molecular Catalysis A, 2009, 312, 18-22.	4.8	22
25	Enhancement of photovoltaic performance of a novel dye, â€œT18â€, with ketene thioacetal groups as electron donors for high efficiency dye-sensitized solar cells. Inorganica Chimica Acta, 2010, 363, 2409-2415.	2.4	22
26	Universal Low-Temperature MWCNT-COOH-Based Counter Electrode and a New Thiolate/Disulfide Electrolyte System for Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 8744-8753.	8.0	21
27	Photocurrent Generation in Layer-By-Layer Assembled Dendrimers with Ruthenium Tris-bipyridine Peripheral Groups and a Viologen-like Core. Langmuir, 2007, 23, 10807-10815.	3.5	20
28	Physicochemical, melissopalynological and antioxidant properties of artisanal honeys from Lebanon. Journal of Food Science and Technology, 2017, 54, 2296-2305.	2.8	19
29	Sensory Thresholds of Selected Phenolic Constituents from Thyme and their Antioxidant Potential in Sunflower Oil. JAOCS, Journal of the American Oil Chemists' Society, 2008, 85, 641-646.	1.9	17
30	Hydrogen bonding association of a ruthenium(II) bipyridine barbituric acid guest to complementary 2,6-diaminopyridine amide hosts: guidelines for designing high binding hydrogen bonding cavities in both high-and low-polarity solvents. Journal of Physical Organic Chemistry, 1999, 12, 247-254.	1.9	16
31	Pulse-Front Propagation and Interaction During the Growth of CdS Nanoparticles in a Gel. Journal of Physical Chemistry B, 2009, 113, 11594-11603.	2.6	16
32	High photo-currents with a zwitterionic thiocyanate-free dye in aqueous-based dye sensitized solar cells. Dalton Transactions, 2016, 45, 5622-5628.	3.3	15
33	Differential Growth Inhibitory Effects of Highly Oxygenated Guaianolides Isolated from the Middle Eastern Indigenous Plant Achillea falcata in HCT-116 Colorectal Cancer Cells. Molecules, 2013, 18, 8275-8288.	3.8	11
34	Facile synthesis of poly-(l-lysine) dendrimers with a pentaaminecobalt(III) complex at the core. Tetrahedron Letters, 2005, 46, 5711-5714.	1.4	10
35	Eco-Friendly Aqueous Dye-Sensitized Solar Cell with a Copper(I/II) Electrolyte System: Efficient Performance under Ambient Light Conditions. ACS Applied Energy Materials, 2022, 5, 257-265.	5.1	10
36	Time resolved study of three ruthenium(II) complexes at micellar surfaces: A new long excited state lifetime probe for determining critical micelle concentration of surfactant nano-aggregates. Colloids and Surfaces B: Biointerfaces, 2016, 138, 32-40.	5.0	8

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37	7-O-methylpunctatin, a Novel Homoisoflavonoid, Inhibits Phenotypic Switch of Human Arteriolar Smooth Muscle Cells. Biomolecules, 2019, 9, 716.	4.0	8
38	Novel poly-pyridyl ruthenium complexes with bis- and tris-tetrazolate mono-dentate ligands for dye sensitized solar cells. RSC Advances, 2014, 4, 18336-18340.	3.6	6
39	Synthesis and in vitro cytotoxicity evaluation of ruthenium polypyridyl-sensitized paramagnetic titania nanoparticles for photodynamic therapy. RSC Advances, 2016, 6, 47520-47529.	3.6	6
40	Theoretical Modeling of Front Propagation of CdS Nanoparticles in a Gel. Journal of Nano Research, 2010, 11, 19-24.	0.8	5
41	Highly robust tetrazolate based complexes for efficient and long-term stable dye sensitized solar cells. RSC Advances, 2015, 5, 66047-66056.	3.6	4
42	Synthesis and photophysical properties of poly-(phenylenevinylene) dendrimers with a ruthenium tris-bipyridine core. Chemical Physics Letters, 2008, 460, 543-547.	2.6	3
43	Anti-Inflammatory and Cytostatic Activities of a Parthenolide-Like Sesquiterpene Lactone fromCota palaestinasubsp.syriaca. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-13.	1.2	3
44	The Effect of Different Ester Chain Modifications of Two Guaianolides for Inhibition of Colorectal Cancer Cell Growth. Molecules, 2021, 26, 5481.	3.8	1