

Walter A Massad

List of Publications by Year in descending order

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50
papers

976
citations

430442

18
h-index

454577

30
g-index

50
all docs

50
docs citations

50
times ranked

1493
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and functionalization of new polyhalogenated BODIPY dyes. Study of their photophysical properties and singlet oxygen generation. <i>Tetrahedron</i> , 2012, 68, 1153-1162.	1.0	117
2	Kinetic study of the fast thermal cis-to-trans isomerisation of para-, ortho- and polyhydroxyazobenzenes. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 13238.	1.3	105
3	Photodegradation of bisphenol A and related compounds under natural-like conditions in the presence of riboflavin: Kinetics, mechanism and photoproducts. <i>Chemosphere</i> , 2008, 73, 564-571.	4.2	70
4	Dye-sensitized photodegradation of the fungicide carbendazim and related benzimidazoles. <i>Chemosphere</i> , 2006, 65, 237-244.	4.2	49
5	Evaluation of ability of ferulic acid to control growth and fumonisin production of <i>Fusarium verticillioides</i> and <i>Fusarium proliferatum</i> on maize based media. <i>International Journal of Food Microbiology</i> , 2013, 167, 215-220.	2.1	46
6	Photosensitized degradation in water of the phenolic pesticides bromoxynil and dichlorophen in the presence of riboflavin, as a model of their natural photodecomposition in the environment. <i>Journal of Hazardous Materials</i> , 2011, 186, 466-472.	6.5	45
7	Photodegradation of the Acaricide Abamectin: A Kinetic Study. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 7355-7359.	2.4	35
8	Visible-light-mediated photodegradation of 17 β -estradiol: Kinetics, mechanism and photoproducts. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 202, 221-227.	2.0	35
9	Fast Isomerizing Methyl Iodide Azopyridinium Salts for Molecular Switches. <i>Organic Letters</i> , 2010, 12, 3514-3517.	2.4	30
10	Kinetics and Mechanism of the Vitamin B ₂ -sensitized Photooxidation of Isoproterenol. <i>Photochemistry and Photobiology</i> , 2004, 79, 428.	1.3	29
11	Stability of Flavonoids in the Presence of Riboflavin-photogenerated Reactive Oxygen Species: A Kinetic and Mechanistic Study on Quercetin, Morin and Rutin. <i>Photochemistry and Photobiology</i> , 2010, 86, 827-834.	1.3	28
12	Vitamin B ₂ -sensitized Photooxidation of Dopamine. <i>Photochemistry and Photobiology</i> , 2008, 84, 1201-1208.	1.3	26
13	Singlet Oxygen Phosphorescence Enhancement by Silver Islands Films. <i>Journal of Physical Chemistry C</i> , 2011, 115, 16275-16281.	1.5	26
14	Two Sets of Metal Organic Frameworks along the Lanthanide Series Constructed by 2,3-Dimethylsuccinate: Structures, Topologies, and Strong Emission without Ligand Sensitization. <i>Crystal Growth and Design</i> , 2013, 13, 5249-5260.	1.4	23
15	A kinetic study on the inhibitory action of sympathomimetic drugs towards photogenerated oxygen active species. The case of phenylephrine. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2005, 80, 130-138.	1.7	22
16	The role of vitamin B6 as an antioxidant in the presence of vitamin B2-photogenerated reactive oxygen species. A kinetic and mechanistic study. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 938-945.	1.6	22
17	Kinetics of the interaction of sulfate and hydrogen phosphate radicals with small peptides of glycine, alanine, tyrosine and tryptophan. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 840.	1.6	20
18	Visible-light promoted photoprocesses on aqueous gallic acid in the presence of riboflavin. Kinetics and mechanism. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 209, 89-94.	2.0	19

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19	A comparative photochemical study on the behavior of 3,3'-dihydroxyflavone and its complex with La(III) as generators and quenchers of reactive oxygen species. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 124, 42-49.	1.7	16
20	Scavenging of riboflavin-photogenerated oxidative species by uric acid, xanthine or hypoxanthine: A kinetic study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 193, 103-109.	2.0	15
21	The Employment of a Removable Chitosan- β -Derivatized Polymeric Sensitizer in the Photooxidation of Polyhydroxylated Water-Pollutants. <i>Photochemistry and Photobiology</i> , 2014, 90, 1251-1256.	1.3	14
22	Photostability and Spectral Properties of Fluorinated Fluoresceins and their Biarsenical Derivatives: A Combined Experimental and Theoretical Study. <i>Photochemistry and Photobiology</i> , 2009, 85, 1082-1088.	1.3	13
23	Bioallethrin degradation by photo-Fenton process in acetonitrile/water and aqueous β -cyclodextrin solutions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 365, 103-109.	2.0	12
24	Elementary processes in the eosin-sensitized photooxidation of 3,3'-diaminobenzidine for correlative fluorescence and electron microscopy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 220, 25-30.	2.0	11
25	The NSAIDs Indomethacin and Diflunisal as Scavengers of Photogenerated Reactive Oxygen Species. <i>Photochemistry and Photobiology</i> , 2013, 89, 1463-1470.	1.3	11
26	Scavenging of photogenerated ROS by Oxicams. Possible biological and environmental implications. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 153, 233-239.	1.7	11
27	Vitamin B1 as a Scavenger of Reactive Oxygen Species Photogenerated by Vitamin B2. <i>Photochemistry and Photobiology</i> , 2011, 87, 317-323.	1.3	10
28	Methyl anthranilate as generator and quencher of reactive oxygen species: A photochemical study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 269, 27-33.	2.0	10
29	Combined effect of chitosan and water activity on growth and fumonisin production by <i>Fusarium verticillioides</i> and <i>Fusarium proliferatum</i> on maize-based media. <i>International Journal of Food Microbiology</i> , 2014, 185, 51-56.	2.1	10
30	Vitamin B2-sensitized degradation of the multifunctional drug Evernyl, in the presence of visible light - microbiological implications. <i>Pure and Applied Chemistry</i> , 2015, 87, 997-1010.	0.9	9
31	Interaction of UO ₂ ²⁺ with Sodium Dodecyl Sulfate Micelles: Association of Phenols to Micelles through Fluorescence Quenching Data. <i>Journal of Colloid and Interface Science</i> , 2002, 255, 189-194.	5.0	8
32	On the photooxidation of the multifunctional drug niclosamide. A kinetic study in the presence of vitamin B ₂ and visible light. <i>Redox Report</i> , 2015, 20, 259-266.	1.4	7
33	Photo-Fenton and Riboflavin-photosensitized Processes of the Isoxaflutole Herbicide. <i>Photochemistry and Photobiology</i> , 2019, 95, 901-908.	1.3	7
34	Novel hybrid materials based on alginate-boehmite-riboflavin for photogeneration of reactive oxygen species in aqueous media. Potential environmental implications. <i>Dyes and Pigments</i> , 2020, 177, 108281.	2.0	7
35	Kinetics and Mechanism of the Sensitized Photodegradation of Uracil-Modeling the Fate of Related Herbicides in Aqueous Environments. <i>Photochemistry and Photobiology</i> , 2007, 83, 520-525.	1.3	6
36	9-Aryl-phenalenones: Bioinspired thermally reversible photochromic compounds for photoswitching applications in the pico-to milliseconds range. <i>Dyes and Pigments</i> , 2021, 186, 109060.	2.0	6

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37	Trace Determination of Uranyl Ion Using a Blue LED as Excitation Source in Phase-Resolved Luminescence Spectroscopy. <i>International Journal of Environmental Analytical Chemistry</i> , 2000, 77, 159-175.	1.8	5
38	Kinetic study on the photostability of riboflavin in the presence of barbituric acid. <i>Redox Report</i> , 2006, 11, 153-158.	1.4	5
39	The riboflavin-photosensitized degradation of the uv -absorbing azo dye-metabolites Benzidine and o-Tolidine. Kinetic and mechanistic aspects. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 344, 49-55.	2.0	5
40	Cyclodextrine-nanoencapsulation of niclosamide: Water solubility and meaningful enhancement of visible-light-mediated sensitized photodegradation of the drug. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 348, 295-304.	2.0	5
41	On the natural fate of maleic hydrazide. Kinetic aspects of the photochemical and microbiological degradation of the herbicide. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 135, 48-54.	1.7	4
42	Properties of singlet- and triplet-excited states of hemicyanine dyes. <i>Chemical Papers</i> , 2014, 68, .	1.0	4
43	Riboflavin sensitized photodegradation of Furaneol in a β -cyclodextrin complex. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 411, 113188.	2.0	3
44	Sensitized photooxidation of triclosan pesticide. A kinetic study in presence of vitamin B2. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 412, 113213.	2.0	3
45	Kinetics of the riboflavin-sensitized degradation of pyrethroid insecticides. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 418, 113416.	2.0	3
46	Quenching Mechanism of the UO_2^{2+} Excited State by Naphthols and Dihydroxynaphthols Compounds. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2000, 245, 407-410.	0.7	2
47	Interaction of UO_2^{2+} with sodium dodecyl sulfonate micelles based on fluorescence data. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2005, 265, 85-90.	0.7	2
48	Mutual effects between aromatic amino acids and guanosine upon vitamin B2 photosensitization in the presence of visible light. <i>Canadian Journal of Chemistry</i> , 2013, 91, 684-690.	0.6	2
49	Complete benzothiazole elimination by the solar photo-Fenton process in aqueous and β -cyclodextrin solutions. <i>New Journal of Chemistry</i> , 2021, 45, 20214-20218.	1.4	2
50	Chapter 4. Riboflavin as a Visible-Light-Sensitiser in the Aerobic Photodegradation of Ophthalmic and Sympathomimetic Drugs. <i>Comprehensive Series in Photochemical and Photobiological Sciences</i> , 0, , 61-82.	0.3	1