

# Tiziana Del Giacco

## List of Publications by Year in descending order

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69  
papers

1,554  
citations

279798

23  
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361022

35  
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70  
all docs

70  
docs citations

70  
times ranked

1524  
citing authors

#	ARTICLE	IF	CITATIONS
1	Competition Between C <sub>18</sub> and C <sub>12</sub> Bond Cleavage in Hydroxysulfoxides Cation Radicals Generated by Photoinduced Electron Transfer <sup>+</sup> . Photochemistry and Photobiology, 2021, 97, 1310-1321.	2.5	1
2	Influence of surfactants in improving degradation of polluting dyes photocatalyzed by TiO <sub>2</sub> in aqueous dispersion. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 418, 113342.	3.9	9
3	Turn-off and -on fluorescence switching of a self-assembled sensor for mercury(II) induced by anionic micelles. Dyes and Pigments, 2020, 173, 107959.	3.7	4
4	Fluorescent signal transduction in a self-assembled Hg <sup>2+</sup> chemosensor tuned by various interactions in micellar aqueous environment. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 389, 112276.	3.9	4
5	Exploring the acidic catalytic role of differently structured deep eutectic solvents in the aza-Michael addition of amines to 2-vinylpyridine. Monatshefte für Chemie, 2020, 151, 1387-1394.	1.8	2
6	Solvent-Free Synthetic Route for Cerium(IV) Metal-Organic Frameworks with UiO-66 Architecture and Their Photocatalytic Applications. ACS Applied Materials & Interfaces, 2019, 11, 45031-45037.	8.0	58
7	Role of the hydrogen bond donor component for a proper development of novel hydrophobic deep eutectic solvents. Journal of Molecular Liquids, 2019, 281, 423-430.	4.9	49
8	Deep Eutectic Solvents formed by chiral components as chiral reaction media and studies of their structural properties. Journal of Molecular Liquids, 2018, 262, 285-294.	4.9	36
9	Effect of Surfactant Structure on the Superactivity of <i>Candida rugosa</i> Lipase. Langmuir, 2018, 34, 11510-11517.	3.5	12
10	Acid-base responsive probes for mercury(II) ions in aqueous solution. Microchemical Journal, 2018, 141, 127-134.	4.5	6
11	Novel low viscous, green and amphiphilic N-oxides/phenylacetic acid based Deep Eutectic Solvents. Journal of Molecular Liquids, 2017, 240, 233-239.	4.9	43
12	Role of anionic micelles in self-assembling of fluorescent acridinium-based chemosensors for the detection of mercury (II) ions. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 345, 74-79.	3.9	8
13	Trifluoroacetylated tyrosine-rich D-tetrapeptides have potent antioxidant activity. Peptides, 2017, 89, 50-59.	2.4	8
14	Structure effects of amphiphilic and non-amphiphilic quaternary ammonium salts on photodegradation of Alizarin Red-S catalyzed by titanium dioxide. RSC Advances, 2017, 7, 361-368.	3.6	9
15	Counterion effect of cationic surfactants on the oxidative degradation of Alizarin Red-S photocatalysed by TiO <sub>2</sub> in aqueous dispersion. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 332, 546-553.	3.9	19
16	Electron Transfer Mechanism in the Oxidation of Aryl 1-Methyl-1-phenylethyl Sulfides Promoted by Nonheme Iron(IV)-Oxo Complexes: The Rate of the Oxygen Rebound Process. Journal of Organic Chemistry, 2016, 81, 12382-12387.	3.2	11
17	Substituent effects on the TiO <sub>2</sub> photosensitized oxidation reaction of benzyl thioethers and thiols in deaerated acetonitrile. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 324, 159-164.	3.9	2
18	Oxidation of Aryl Diphenylmethyl Sulfides Promoted by a Nonheme Iron(IV)-Oxo Complex: Evidence for an Electron Transfer-Oxygen Transfer Mechanism. Journal of Organic Chemistry, 2016, 81, 2513-2520.	3.2	22

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19	Inclusion of Two Push-Pull N-Methylpyridinium Salts in Anionic Surfactant Solutions: A Comprehensive Photophysical Investigation. <i>Journal of Physical Chemistry B</i> , 2015, 119, 6658-6667.	2.6	16
20	Photosensitized Oxidation of Aryl Benzyl Sulfoxides. Evidence for Nucleophilic Assistance to the S Bond Cleavage of Aryl Benzyl Sulfoxide Radical Cations. <i>Journal of Organic Chemistry</i> , 2015, 80, 2310-2318.	3.2	5
21	Photoinduced One-Electron Oxidation of Benzyl Methyl Sulfides in Acetonitrile: Time-Resolved Spectroscopic Evidence for a Thionium Ion Intermediate. <i>Journal of Organic Chemistry</i> , 2015, 80, 8001-8008.	3.2	9
22	An acridinium-based sensor as a fluorescent photoinduced electron transfer probe for proton detection modulated by anionic micelles. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 6677.	2.8	19
23	Competition of H and O fragmentation in substituted p-methoxybenzyl ether radical cations generated by photosensitized oxidation. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 489-499.	2.9	1
24	Structural Effects on the S Bond Cleavage in Aryl tert-Butyl Sulfoxide Radical Cations. <i>Journal of Organic Chemistry</i> , 2013, 78, 4886-4894.	3.2	12
25	Structural and Solvent Effects on the S Bond Cleavage in Aryl Triphenylmethyl Sulfide Radical Cations. <i>Journal of Organic Chemistry</i> , 2012, 77, 1843-1852.	3.2	22
26	Surfactant effect on titanium dioxide photosensitized oxidation of 4-dodecyloxybenzyl alcohol. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 229, 53-59.	3.9	17
27	Steady-state and time-resolved investigations of a crown thioether conjugated with methylacridinium and its complexes with metal ions. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2188-2195.	2.8	19
28	Structure and S Bond Cleavage in Aryl 1-Methyl-1-arylethyl Sulfide Radical Cations. <i>Journal of Organic Chemistry</i> , 2011, 76, 573-582.	3.2	26
29	Photophysics of aromatic thiourea derivatives and their complexes with anions. Fast and ultrafast spectroscopic investigations. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 8062.	2.8	23
30	Evidences in favour of a single electron transfer (SET) mechanism in the TiO <sub>2</sub> sensitized photo-oxidation of 1-hydroxy- and 1,2-dihydroxybenzyl derivatives in water. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5425.	2.8	6
31	Reaction of Singlet Oxygen with Thioanisole in Ionic Liquids: a Solvent Induced Mechanistic Dichotomy. <i>Organic Letters</i> , 2009, 11, 1413-1416.	4.6	32
32	Anomalous reactivity of radical cations produced by photosensitized oxidation of 4-methoxybenzyl alcohol derivatives: role of the sensitizer. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 200-210.	2.8	7
33	Photosensitized Oxidation of Alkyl Phenyl Sulfoxides. S Bond Cleavage in Alkyl Phenyl Sulfoxide Radical Cations. <i>Journal of Organic Chemistry</i> , 2008, 73, 5675-5682.	3.2	39
34	The Singlet Oxygen Oxidation of Chlorpromazine and Some Phenothiazine Derivatives. Products and Reaction Mechanisms. <i>Journal of Organic Chemistry</i> , 2007, 72, 5912-5915.	3.2	18
35	Singlet Oxygen Promoted Carbon-Heteroatom Bond Cleavage in Dibenzyl Sulfides and Tertiary Dibenzylamines. Structural Effects and the Role of Exciplexes. <i>Journal of Organic Chemistry</i> , 2007, 72, 9582-9589.	3.2	35
36	Titanium dioxide photosensitized oxidation of 1,2-dihydroxybenzyl derivatives in CH <sub>3</sub> CN. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 190, 34-40.	3.9	10

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37	Sulfur Radical Cations. Kinetic and Product Study of the Photoinduced Fragmentation Reactions of (Phenylsulfanylalkyl)trimethylsilanes and Phenylsulfanylacetic Acid Radical Cations. <i>Journal of Organic Chemistry</i> , 2006, 71, 853-860.	3.2	28
38	Rates of C-S Bond Cleavage in tert-Alkyl Phenyl Sulfide Radical Cations. <i>Organic Letters</i> , 2006, 8, 641-644.	4.6	32
39	Aryl Sulfoxide Radical Cations. Generation, Spectral Properties, and Theoretical Calculations. <i>Journal of Physical Chemistry A</i> , 2006, 110, 9940-9948.	2.5	26
40	Dual Pathways for the Desilylation of Silylamines by Singlet Oxygen. <i>Organic Letters</i> , 2006, 8, 1783-1786.	4.6	20
41	TiO <sub>2</sub> -sensitized photo-oxidation mechanism of indane and some of its hetero-analogues in deaerated CH <sub>3</sub> CN. <i>Journal of Physical Organic Chemistry</i> , 2006, 19, 359-364.	1.9	9
42	Photo-oxidative dealkylation of $\alpha$ -alkylbenzyl methyl ethers induced by titanium dioxide in acetonitrile. <i>Journal of Physical Organic Chemistry</i> , 2006, 19, 18-24.	1.9	10
43	C-S bond cleavage in the sensitized photooxygenation of tert-alkyl phenyl sulfides. The role of superoxide anion. <i>Tetrahedron</i> , 2006, 62, 6566-6573.	1.9	26
44	Quenching of Singlet Oxygen by Tertiary Aliphatic Amines. Structural Effects on Rates and Products. <i>Helvetica Chimica Acta</i> , 2006, 89, 2273-2280.	1.6	17
45	Structure and Reactivity of trans-Bis[2-(2-chloroethyl)pyridine]palladium Chloride (1). A Study on the Elimination Reaction of 1 and 2-(2-Chloroethyl)pyridine Induced by Quinuclidine in Acetonitrile. <i>Journal of Organic Chemistry</i> , 2005, 70, 10688-10692.	3.2	4
46	True quantum yields and adsorption constants as tools for a mechanistic study of the TiO <sub>2</sub> -sensitized photooxidation of benzylic derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 163, 481-487.	3.9	13
47	Steady-State and Laser Flash Photolysis Study of the Carbon-Carbon Bond Fragmentation Reactions of 2-Arylsulfanyl Alcohol Radical Cations. <i>Journal of Organic Chemistry</i> , 2004, 69, 8323-8330.	3.2	15
48	Oxygenation of Benzyl dimethylamine by Singlet Oxygen. Products and Mechanism. <i>Organic Letters</i> , 2004, 6, 4791-4794.	4.6	51
49	Metal Ion Catalysis in the $\beta$ -Elimination Reactions of N-[2-(4-Pyridyl)ethyl]quinuclidinium and N-[2-(2-Pyridyl)ethyl]quinuclidinium in Aqueous Solution. <i>Journal of Organic Chemistry</i> , 2004, 69, 3276-3281.	3.2	4
50	A Study of the OH-Induced $\beta$ -Elimination Reactions of 2-(4-Chloroethyl)pyridine, 2-(2-Chloroethyl)pyridine, 1-Methyl-2-(4-chloroethyl)pyridinium Iodide and 1-Methyl-2-(2-chloroethyl)pyridinium Iodide in Acetonitrile/Water. <i>Journal of Organic Chemistry</i> , 2004, 69, 6121-6123.	3.2	3
51	Involvement of adsorption effects in the TiO <sub>2</sub> -sensitized photooxidation rate of benzylic derivatives in CH <sub>3</sub> CN. <i>Journal of Physical Organic Chemistry</i> , 2003, 16, 127-132.	1.9	15
52	Electron Transfer and Singlet Oxygen Mechanisms in the Photooxygenation of Dibutyl Sulfide and Thioanisole in MeCN Sensitized by N-Methylquinolinium Tetrafluoroborate and 9,10-Dicyanoanthracene. The Probable Involvement of a Thiadioxirane Intermediate in Electron Transfer Photooxygenations. <i>Journal of the American Chemical Society</i> , 2003, 125, 16444-16454.	13.7	156
53	Photophysical and photochemical properties of 1,2,4-trihydroxy-9,10-anthraquinone adsorbed on inorganic oxides. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 681.	2.9	26
54	Mechanism of the oxidation of benzylic ethers photosensitized by a 2,4,6-triphenylpyrylium salt. <i>Perkin Transactions II RSC</i> , 2001, , 1802-1807.	1.1	5

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55	Competitive Decay Pathways of the Radical Ions Formed by Photoinduced Electron Transfer between Quinones and 4,4'-Dimethoxydiphenylmethane in Acetonitrile. <i>Chemistry - A European Journal</i> , 2001, 7, 3005-3013.	3.3	16
56	Photo-oxidation of some benzylic alcohols sensitized by colloidal TiO <sub>2</sub> in CH <sub>3</sub> CN. A kinetic mechanistic study through quantum yield determinations. <i>Journal of Physical Organic Chemistry</i> , 2000, 13, 745-751.	1.9	20
57	Photoinduced hydrogen- and electron-transfer processes between chloranil and aryl alkyl sulfides in organic solvents. Steady-state and time-resolved studies. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 1701-1708.	2.8	21
58	Photooxidation of Benzyl Alcohols Sensitized by TiO <sub>2</sub> in CH <sub>3</sub> CN in the Presence of Ag <sub>2</sub> SO <sub>4</sub> . Kinetic Evidence for the Involvement of Adsorption Phenomena. <i>Journal of Chemical Research Synopses</i> , 1998, , 644-645.	0.3	19
59	Homolytic vs Heterolytic C-H Bond Cleavage in Alkylaromatic Radical Cations. Formation of Diarylmethyl Cation in the Photoinduced Electron Transfer Reaction of Bis(4-methoxyphenyl)methane Sensitized by Chloranil. <i>Journal of the American Chemical Society</i> , 1998, 120, 11800-11801.	13.7	31
60	Oxidation of Aromatic Sulfides Photosensitized by TiO <sub>2</sub> in CH <sub>3</sub> CN in the Presence of Ag <sub>2</sub> SO <sub>4</sub> . The Role of TiO <sub>2</sub> in the Chemistry of Sulfide Radical Cations. <i>Journal of Organic Chemistry</i> , 1997, 62, 4015-4017.	3.2	39
61	Chloranil-Sensitized Photolysis of Benzyltrimethylsilanes. Solvent Effect on the Competition between Carbon-Hydrogen and Carbon-Silicon Bond Cleavage. <i>Journal of Organic Chemistry</i> , 1995, 60, 7974-7983.	3.2	27
62	Proton-transfer reactions of alkylaromatic cation radicals. The effect of .alpha.-substituents on the kinetic acidity of p-methoxytoluene cation radicals. <i>Journal of the American Chemical Society</i> , 1993, 115, 12290-12295.	13.7	80
63	One-electron oxidation of alkylbenzenes in acetonitrile by photochemically produced nitrate radical: evidence for an inner-sphere mechanism. <i>The Journal of Physical Chemistry</i> , 1993, 97, 5451-5456.	2.9	52
64	Perkin communications. Bromine-induced photochemical protodesilylation of benzyltrimethylsilanes by hydrogen bromide. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1991, , 3377.	0.9	3
65	Carbon silicon bond cleavage in the oxidation of benzylic silanes by cerium(IV) ammonium nitrate. <i>Tetrahedron Letters</i> , 1989, 30, 3573-3576.	1.4	32
66	The photochemical reaction of cerium(IV) ammonium nitrate with alkenes. Rate and mechanism for the addition of the nitrate radical to alkenes. <i>Tetrahedron</i> , 1988, 44, 6651-6660.	1.9	24
67	Rate and mechanism for the reaction of the nitrate radical with aromatic and alkylaromatic compounds in acetonitrile. <i>Journal of the Chemical Society Chemical Communications</i> , 1987, , 1246.	2.0	50
68	Photochemical oxidation and autoxidation of some cycloalkanes promoted by ceric ammonium nitrate in acetonitrile. <i>Tetrahedron Letters</i> , 1987, 28, 1941-1944.	1.4	29
69	Cerium (IV) ammonium nitrate catalyzed photochemical autoxidation of alkylbenzenes. <i>Tetrahedron Letters</i> , 1985, 26, 3353-3356.	1.4	22