

Tiziana Del Giacco

List of Publications by Year in descending order

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69
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1,554
citations

279798

23
h-index

361022

35
g-index

70
all docs

70
docs citations

70
times ranked

1524
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | Solvent-Free Synthetic Route for Cerium(IV) Metal-Organic Frameworks with UiO-66 Architecture and Their Photocatalytic Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45031-45037. | 8.0 | 58 |
| 4 | 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 |
| 5 | Oxygenation of Benzyl dimethylamine by Singlet Oxygen. Products and Mechanism. <i>Organic Letters</i> , 2004, 6, 4791-4794. | 4.6 | 51 |
| 6 | 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 |
| 7 | Role of the hydrogen bond donor component for a proper development of novel hydrophobic deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2019, 281, 423-430. | 4.9 | 49 |
| 8 | Novel low viscous, green and amphiphilic N -oxides/phenylacetic acid based Deep Eutectic Solvents. <i>Journal of Molecular Liquids</i> , 2017, 240, 233-239. | 4.9 | 43 |
| 9 | Oxidation of Aromatic Sulfides Photosensitized by TiO ₂ in CH ₃ CN in the Presence of Ag ₂ SO ₄ . The Role of TiO ₂ in the Chemistry of Sulfide Radical Cations. <i>Journal of Organic Chemistry</i> , 1997, 62, 4015-4017. | 3.2 | 39 |
| 10 | Photosensitized Oxidation of Alkyl Phenyl Sulfoxides. C-S Bond Cleavage in Alkyl Phenyl Sulfoxide Radical Cations. <i>Journal of Organic Chemistry</i> , 2008, 73, 5675-5682. | 3.2 | 39 |
| 11 | Deep Eutectic Solvents formed by chiral components as chiral reaction media and studies of their structural properties. <i>Journal of Molecular Liquids</i> , 2018, 262, 285-294. | 4.9 | 36 |
| 12 | 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 |
| 13 | 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 |
| 14 | Rates of C-S Bond Cleavage in Alkyl Phenyl Sulfide Radical Cations. <i>Organic Letters</i> , 2006, 8, 641-644. | 4.6 | 32 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|---|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | Aryl Sulfoxide Radical Cations. Generation, Spectral Properties, and Theoretical Calculations. <i>Journal of Physical Chemistry A</i> , 2006, 110, 9940-9948. | 2.5 | 26 |
| 22 | 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 |
| 23 | Structure and C-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 |
| 24 | 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 |
| 25 | 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 |
| 26 | Cerium (IV) ammonium nitrate catalyzed photochemical autoxidation of alkylbenzenes. <i>Tetrahedron Letters</i> , 1985, 26, 3353-3356. | 1.4 | 22 |
| 27 | Structural and Solvent Effects on the C-S Bond Cleavage in Aryl Triphenylmethyl Sulfide Radical Cations. <i>Journal of Organic Chemistry</i> , 2012, 77, 1843-1852. | 3.2 | 22 |
| 28 | Oxidation of Aryl Diphenylmethyl Sulfides Promoted by a Nonheme Iron(IV)-Oxo Complex: Evidence for an Electron Transfer-Oxygen Transfer Mechanism. <i>Journal of Organic Chemistry</i> , 2016, 81, 2513-2520. | 3.2 | 22 |
| 29 | 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 |
| 30 | Photo-oxidation of some benzylic alcohols sensitized by colloidal TiO ₂ in CH ₃ CN. A kinetic mechanistic study through quantum yield determinations. <i>Journal of Physical Organic Chemistry</i> , 2000, 13, 745-751. | 1.9 | 20 |
| 31 | Dual Pathways for the Desilylation of Silylamines by Singlet Oxygen. <i>Organic Letters</i> , 2006, 8, 1783-1786. | 4.6 | 20 |
| 32 | Photooxidation of Benzyl Alcohols Sensitized by TiO ₂ in CH ₃ CN in the Presence of Ag ₂ SO ₄ . Kinetic Evidence for the Involvement of Adsorption Phenomena. <i>Journal of Chemical Research Synopses</i> , 1998, , 644-645. | 0.3 | 19 |
| 33 | 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 |
| 34 | 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 |
| 35 | Counterion effect of cationic surfactants on the oxidative degradation of Alizarin Red-S photocatalysed by TiO ₂ in aqueous dispersion. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 332, 546-553. | 3.9 | 19 |
| 36 | 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 |

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|----|---|-----|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | Competitive Decay Pathways of the Radical Ions Formed by Photoinduced Electron Transfer between Quinones and 4,4- C_6H_4 -Dimethoxydiphenylmethane in Acetonitrile. <i>Chemistry - A European Journal</i> , 2001, 7, 3005-3013. | 3.3 | 16 |
| 40 | 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 |
| 41 | Involvement of adsorption effects in the TiO ₂ -sensitized photooxidation rate of benzylic derivatives in CH ₃ CN. <i>Journal of Physical Organic Chemistry</i> , 2003, 16, 127-132. | 1.9 | 15 |
| 42 | 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 |
| 43 | True quantum yields and adsorption constants as tools for a mechanistic study of the TiO ₂ -sensitized photooxidation of benzylic derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 163, 481-487. | 3.9 | 13 |
| 44 | Structural Effects on the C-S Bond Cleavage in Aryl <i>tert</i> -Butyl Sulfoxide Radical Cations. <i>Journal of Organic Chemistry</i> , 2013, 78, 4886-4894. | 3.2 | 12 |
| 45 | Effect of Surfactant Structure on the Superactivity of <i>Candida rugosa</i> Lipase. <i>Langmuir</i> , 2018, 34, 11510-11517. | 3.5 | 12 |
| 46 | 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. <i>Journal of Organic Chemistry</i> , 2016, 81, 12382-12387. | 3.2 | 11 |
| 47 | Photo-oxidative dealkylation of α -alkylbenzyl methyl ethers induced by titanium dioxide in acetonitrile. <i>Journal of Physical Organic Chemistry</i> , 2006, 19, 18-24. | 1.9 | 10 |
| 48 | Titanium dioxide photosensitized oxidation of α,β -dihydroxybenzyl derivatives in CH ₃ CN. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 190, 34-40. | 3.9 | 10 |
| 49 | TiO ₂ -sensitized photo-oxidation mechanism of indane and some of its hetero-analogues in deaerated CH ₃ CN. <i>Journal of Physical Organic Chemistry</i> , 2006, 19, 359-364. | 1.9 | 9 |
| 50 | 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 |
| 51 | Structure effects of amphiphilic and non-amphiphilic quaternary ammonium salts on photodegradation of Alizarin Red-S catalyzed by titanium dioxide. <i>RSC Advances</i> , 2017, 7, 361-368. | 3.6 | 9 |
| 52 | Influence of surfactants in improving degradation of polluting dyes photocatalyzed by TiO ₂ in aqueous dispersion. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 418, 113342. | 3.9 | 9 |
| 53 | Role of anionic micelles in self-assembling of fluorescent acridinium-based chemosensors for the detection of mercury (II) ions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 345, 74-79. | 3.9 | 8 |
| 54 | Trifluoroacetylated tyrosine-rich D-tetrapeptides have potent antioxidant activity. <i>Peptides</i> , 2017, 89, 50-59. | 2.4 | 8 |

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|----|---|-----|-----------|
| 55 | 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 |
| 56 | Evidences in favour of a single electron transfer (SET) mechanism in the TiO ₂ sensitized photo-oxidation of β -hydroxy- and β,β -dihydroxybenzyl derivatives in water. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5425. | 2.8 | 6 |
| 57 | Acid-base responsive probes for mercury(II) ions in aqueous solution. <i>Microchemical Journal</i> , 2018, 141, 127-134. | 4.5 | 6 |
| 58 | 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 |
| 59 | Photosensitized Oxidation of Aryl Benzyl Sulfoxides. Evidence for Nucleophilic Assistance to the C-S Bond Cleavage of Aryl Benzyl Sulfoxide Radical Cations. <i>Journal of Organic Chemistry</i> , 2015, 80, 2310-2318. | 3.2 | 5 |
| 60 | Metal Ion Catalysis in the β -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 |
| 61 | 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 |
| 62 | Turn-off and -on fluorescence switching of a self-assembled sensor for mercury(II) induced by anionic micelles. <i>Dyes and Pigments</i> , 2020, 173, 107959. | 3.7 | 4 |
| 63 | Fluorescent signal transduction in a self-assembled Hg ²⁺ chemosensor tuned by various interactions in micellar aqueous environment. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 389, 112276. | 3.9 | 4 |
| 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 | A Study of the OH-Induced β -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 |
| 66 | Substituent effects on the TiO ₂ photosensitized oxidation reaction of benzyl thioethers and thiols in deaerated acetonitrile. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 324, 159-164. | 3.9 | 2 |
| 67 | Exploring the acidic catalytic role of differently structured deep eutectic solvents in the aza-Michael addition of amines to 2-vinylpyridine. <i>Monatshefte für Chemie</i> , 2020, 151, 1387-1394. | 1.8 | 2 |
| 68 | Competition of C-H and C-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 |
| 69 | Competition Between β - and α -Bond Cleavage in β -Hydroxysulfoxides Cation Radicals Generated by Photoinduced Electron Transfer. | 2.5 | 1 |