

Maria Luisa Marin

List of Publications by Year in descending order

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91
papers

2,199
citations

304743

22
h-index

265206

42
g-index

95
all docs

95
docs citations

95
times ranked

2988
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Stereoselective, Ruthenium-Photocatalyzed Synthesis of 1,2-Diaminotruxinic Bis-amino Acids from 4-Arylidene-5(4H)-oxazolones. <i>Journal of Organic Chemistry</i> , 2022, , . | 3.2 | 6 |
| 2 | Degradation of Benzotriazole UV-stabilizers in the presence of organic photosensitizers and visible light: A time-resolved mechanistic study. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2022, 230, 112444. | 3.8 | 5 |
| 3 | Biomimetic photooxidation of noscipine sensitized by a riboflavin derivative in water: The combined role of natural dyes and solar light in environmental remediation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2022, 229, 112415. | 3.8 | 3 |
| 4 | Organic photoredox catalysts for wastewater remediation: Beyond the established advanced oxidation processes. <i>Chemical Engineering Journal Advances</i> , 2022, 11, 100296. | 5.2 | 6 |
| 5 | Sulfate radical anion: Laser flash photolysis study and application in water disinfection and decontamination. <i>Applied Catalysis B: Environmental</i> , 2022, 315, 121519. | 20.2 | 11 |
| 6 | Superior visible light-mediated catalytic activity of a novel N-doped, Fe ₃ O ₄ -incorporating MgO nanosheet in presence of PMS: Imidacloprid degradation and implications on simultaneous bacterial inactivation. <i>Applied Catalysis B: Environmental</i> , 2022, 317, 121732. | 20.2 | 38 |
| 7 | A continuous-flow catalytic process with natural hematite-alginate beads for effective water decontamination and disinfection: Peroxymonosulfate activation leading to dominant sulfate radical and minor non-radical pathways. <i>Chemical Engineering Journal</i> , 2021, 411, 127738. | 12.7 | 32 |
| 8 | Mechanistic Insight into the Light-Triggered CuAAC Reaction: Does Any of the Photocatalyst Go?. <i>Journal of Organic Chemistry</i> , 2021, 86, 5832-5844. | 3.2 | 10 |
| 9 | Photocatalytic degradation of drugs in water mediated by acetylated riboflavin and visible light: A mechanistic study. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 221, 112250. | 3.8 | 12 |
| 10 | Heterogeneous riboflavin-based photocatalyst for pollutant oxidation through electron transfer processes. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120497. | 20.2 | 17 |
| 11 | Enhanced Photodegradation of Synthetic Dyes Mediated by Ag ₃ PO ₄ -Based Semiconductors under Visible Light Irradiation. <i>Catalysts</i> , 2020, 10, 774. | 3.5 | 21 |
| 12 | Photochemical formation of a fluorescent thymidine-pterin adduct in DNA. <i>Dyes and Pigments</i> , 2019, 160, 624-632. | 3.7 | 11 |
| 13 | Perylene-Grafted Silicas: Mechanistic Study and Applications in Heterogeneous Photoredox Catalysis. <i>Chemistry - A European Journal</i> , 2019, 25, 14928-14934. | 3.3 | 10 |
| 14 | A Time-Resolved Study on the Reactivity of Alcoholic Drinks with the Hydroxyl Radical. <i>Molecules</i> , 2019, 24, 234. | 3.8 | 2 |
| 15 | A photochemical and theoretical study of the triplet reactivity of furano- and pyrano-1,4-naphthoquinones towards tyrosine and tryptophan derivatives. <i>RSC Advances</i> , 2019, 9, 13386-13397. | 3.6 | 7 |
| 16 | Generation of the Thymine Triplet State by Through-Bond Energy Transfer. <i>Chemistry - A European Journal</i> , 2019, 25, 7004-7011. | 3.3 | 7 |
| 17 | Photocatalytic degradation of phenolic pollutants using N-methylquinolinium and 9-mesityl-10-methylacridinium salts. <i>Catalysis Today</i> , 2019, 328, 243-251. | 4.4 | 9 |
| 18 | A mechanistic study on the potential of quinolinium salts as photocatalysts for the abatement of chlorinated pollutants. <i>Journal of Hazardous Materials</i> , 2018, 351, 277-284. | 12.4 | 7 |

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|----|--|------|-----------|
| 19 | Type I vs Type II photodegradation of pollutants. <i>Catalysis Today</i> , 2018, 313, 161-166. | 4.4 | 20 |
| 20 | Glass wool: a novel support for heterogeneous catalysis. <i>Chemical Science</i> , 2018, 9, 6844-6852. | 7.4 | 30 |
| 21 | Direct detection of the triphenylpyrylium-derived short-lived intermediates in the photocatalyzed degradation of acetaminophen, acetamiprid, caffeine and carbamazepine. <i>Journal of Hazardous Materials</i> , 2018, 356, 91-97. | 12.4 | 13 |
| 22 | Metal-Free Photocatalytic Reductive Dehalogenation Using Visible Light: A Time-Resolved Mechanistic Study. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2164-2169. | 2.4 | 40 |
| 23 | A comprehensive mechanistic study on the visible-light photocatalytic reductive dehalogenation of haloaromatics mediated by Ru(bpy) ₃ Cl ₂ . <i>Catalysis Science and Technology</i> , 2017, 7, 4852-4858. | 4.1 | 8 |
| 24 | A novel synthetic approach to tyrosine dimers based on pterin photosensitization. <i>Dyes and Pigments</i> , 2017, 147, 67-74. | 3.7 | 18 |
| 25 | “Snorkelling” vs. “diving” in mixed micelles probed by means of a molecular bathymeter. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 10281-10288. | 2.8 | 3 |
| 26 | Photocatalytic functionalization for the synthesis of drugs and analogs. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2017, 6, 139-149. | 5.9 | 11 |
| 27 | Time-resolved kinetic assessment of the role of singlet and triplet excited states in the photocatalytic treatment of pollutants at different concentrations. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 381-388. | 20.2 | 13 |
| 28 | Impact of chirality on the photoinduced charge transfer in linked systems containing naproxen enantiomers. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12733-12741. | 2.8 | 14 |
| 29 | Photoactive bile salts with critical micellar concentration in the micromolar range. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12976-12982. | 2.8 | 6 |
| 30 | Catalyst Decomposition during Olefin Metathesis Yields Isomerization-Active Ruthenium Nanoparticles. <i>ChemCatChem</i> , 2016, 8, 2424-2424. | 3.7 | 3 |
| 31 | Catalyst Decomposition during Olefin Metathesis Yields Isomerization-Active Ruthenium Nanoparticles. <i>ChemCatChem</i> , 2016, 8, 2446-2449. | 3.7 | 54 |
| 32 | Tetrahydropyranyl protection and deprotection of alcohols using a niobium-based Brønsted acid catalyst. <i>Canadian Journal of Chemistry</i> , 2016, 94, 712-714. | 1.1 | 4 |
| 33 | Triplet energy management between two signaling units through cooperative rigid scaffolds. <i>Chemical Communications</i> , 2016, 52, 713-716. | 4.1 | 2 |
| 34 | Radical-mediated dehydrogenation of bile acids by means of hydrogen atom transfer to triplet carbonyls. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2679-2683. | 2.8 | 7 |
| 35 | Low field photo-CIDNP in the intramolecular electron transfer of naproxen-pyrrolidine dyads. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 901-907. | 2.8 | 7 |
| 36 | Photosensitized Thymine Dimerization via Delocalized Triplet Excited States. <i>Chemistry - A European Journal</i> , 2015, 21, 17051-17056. | 3.3 | 12 |

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|----|---|------|-----------|
| 37 | Photochemical synthesis of biocompatible and antibacterial silver nanoparticles embedded within polyurethane polymers. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 661-664. | 2.9 | 16 |
| 38 | Photocatalytic Treatment of Cork Wastewater Pollutants. Degradation of Gallic Acid and Trichloroanisole using Triphenyl(thia)pyrylium salts. <i>Applied Catalysis B: Environmental</i> , 2015, 179, 433-438. | 20.2 | 17 |
| 39 | Mechanistic insights into the Nb ₂ O ₅ and niobium phosphate catalyzed in situ condensation of a fluorescent halochromic assembly. <i>Catalysis Science and Technology</i> , 2015, 5, 169-175. | 4.1 | 14 |
| 40 | Hydroxyl Radical as an Unlikely Key Intermediate in the Photodegradation of Emerging Pollutants. <i>Photochemistry and Photobiology</i> , 2014, 90, 1467-1469. | 2.5 | 8 |
| 41 | Mild synthesis of mesoporous silica supported ruthenium nanoparticles as heterogeneous catalysts in oxidative Wittig coupling reactions. <i>Catalysis Science and Technology</i> , 2014, 4, 435-440. | 4.1 | 42 |
| 42 | From the mole to the molecule: ruthenium catalyzed nitroarene reduction studied with bench, high-throughput and single molecule fluorescence techniques. <i>Catalysis Science and Technology</i> , 2014, 4, 1989-1996. | 4.1 | 20 |
| 43 | Two-channel dansyl/tryptophan emitters with a cholic acid bridge as reporters for local hydrophobicity within supramolecular systems based on bile salts. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8499-8504. | 2.8 | 14 |
| 44 | Generation of reactive aryl radical intermediates in the reductive photodehalogenation of itraconazole. <i>RSC Advances</i> , 2014, 4, 2687-2693. | 3.6 | 6 |
| 45 | Synthesis, acid properties and catalysis by niobium oxide nanostructured materials. <i>Catalysis Science and Technology</i> , 2014, 4, 3044-3052. | 4.1 | 42 |
| 46 | Copper nanoparticle heterogeneous catalytic click cycloaddition confirmed by single-molecule spectroscopy. <i>Nature Communications</i> , 2014, 5, 4612. | 12.8 | 121 |
| 47 | New Photoactive Compounds To Probe Cholic Acid and Cholesterol inside Mixed Micelles. <i>Organic Letters</i> , 2013, 15, 298-301. | 4.6 | 13 |
| 48 | A mechanistic study on the oxidative photodegradation of 2,6-dichlorodiphenylamine-derived drugs: Photo-Fenton versus photocatalysis with a triphenylpyrylium salt. <i>Applied Catalysis B: Environmental</i> , 2013, 140-141, 412-418. | 20.2 | 24 |
| 49 | Time-Resolved Fluorescence Study of Exciplex Formation in Diastereomeric Naproxen-Pyrrolidine Dyads. <i>Journal of Physical Chemistry B</i> , 2013, 117, 16206-16211. | 2.6 | 7 |
| 50 | Influence of Drug Encapsulation within Mixed Micelles on the Excited State Dynamics and Accessibility to Ionic Quenchers. <i>Journal of Physical Chemistry B</i> , 2013, 117, 9327-9332. | 2.6 | 14 |
| 51 | Dansyl-Labeled Cholic Acid as a Tool To Build Speciation Diagrams for the Aggregation of Bile Acids. <i>Journal of Physical Chemistry B</i> , 2012, 116, 14776-14780. | 2.6 | 23 |
| 52 | Photophysical Probes To Assess the Potential of Cholic Acid Aggregates as Drug Carriers. <i>Journal of Physical Chemistry B</i> , 2012, 116, 10213-10218. | 2.6 | 28 |
| 53 | Organic Photocatalysts for the Oxidation of Pollutants and Model Compounds. <i>Chemical Reviews</i> , 2012, 112, 1710-1750. | 47.7 | 357 |
| 54 | Singlet oxygen production by pyrano and furano 1,4-naphthoquinones in non-aqueous medium. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1201-1209. | 2.9 | 15 |

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|----|--|------|-----------|
| 55 | Reactivity of Nucleosides with a Hydroxyl Radical in Non-aqueous Medium. <i>Chemistry - A European Journal</i> , 2012, 18, 8024-8027. | 3.3 | 13 |
| 56 | A mechanistic study on photocatalysis by thiapyrylium salts. Photodegradation of dimethoate, alachlor and pyrimethanil under simulated sunlight. <i>Applied Catalysis B: Environmental</i> , 2012, 123-124, 208-213. | 20.2 | 20 |
| 57 | Dansyl Derivatives of Cholic Acid as Tools to Build Speciation Diagrams for Sodium Cholate Aggregation. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 782-785. | 4.6 | 26 |
| 58 | Dansyl Labeling To Modulate the Relative Affinity of Bile Acids for the Binding Sites of Human Serum Albumin. <i>Journal of Physical Chemistry B</i> , 2011, 115, 10518-10524. | 2.6 | 19 |
| 59 | Translocation versus cyclisation in radicals derived from N-3-alkenyl trichloroacetamides. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 3180. | 2.8 | 4 |
| 60 | Spin effects in intramolecular electron transfer in naproxen-N-methylpyrrolidine dyad. <i>Chemical Physics Letters</i> , 2011, 516, 51-55. | 2.6 | 9 |
| 61 | Spin Chemistry Investigation of Peculiarities of Photoinduced Electron Transfer in Donor-Acceptor Linked System. <i>Applied Magnetic Resonance</i> , 2011, 41, 205-220. | 1.2 | 8 |
| 62 | A photophysical approach to investigate the photooxidation mechanism of pesticides: Hydroxyl radical versus electron transfer. <i>Applied Catalysis B: Environmental</i> , 2011, 103, 48-53. | 20.2 | 25 |
| 63 | Unconjugated bile salts shuttle through hepatocyte peroxisomes for taurine conjugation. <i>Hepatology</i> , 2010, 52, 2167-2176. | 7.3 | 19 |
| 64 | Complexes between Fluorescent Cholic Acid Derivatives and Human Serum Albumin. A Photophysical Approach To Investigate the Binding Behavior. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4710-4716. | 2.6 | 35 |
| 65 | Stereodifferentiation in fluorescence quenching within cholic acid aggregates. <i>Chemical Communications</i> , 2010, 46, 4965. | 4.1 | 8 |
| 66 | Fluorescent Benzofurazan-Cholic Acid Conjugates for in-vitro Assessment of Bile Acid Uptake and Its Modulation by Drugs. <i>ChemMedChem</i> , 2009, 4, 466-472. | 3.2 | 19 |
| 67 | Abatement of methidathion and carbaryl from aqueous solutions using organic photocatalysts. <i>Catalysis Today</i> , 2009, 144, 106-111. | 4.4 | 27 |
| 68 | Synthesis of new, UV-photoactive dansyl derivatives for flow cytometric studies on bile acid uptake. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 4973. | 2.8 | 17 |
| 69 | Photochemical routes to silver and gold nanoparticles. <i>Pure and Applied Chemistry</i> , 2009, 81, 635-647. | 1.9 | 90 |
| 70 | Photophysical characterization and flow cytometry applications of cholylamidofluorescein, a fluorescent bile acid scaffold. <i>Photochemical and Photobiological Sciences</i> , 2008, 7, 860-866. | 2.9 | 7 |
| 71 | Photochemical Strategies for the Synthesis of Gold Nanoparticles from Au(III) and Au(I) Using Photoinduced Free Radical Generation. <i>Journal of the American Chemical Society</i> , 2008, 130, 16572-16584. | 13.7 | 162 |
| 72 | Involvement of triplet excited states in the electron transfer photodegradation of cinnamic acids using pyrylium and thiapyrylium salts as photocatalysts. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 848. | 2.9 | 18 |

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|----|---|------|-----------|
| 73 | Sepiolites as supporting material for organic sensitizers employed in heterogeneous solar photocatalysis. <i>Journal of Molecular Catalysis A</i> , 2007, 271, 221-226. | 4.8 | 23 |
| 74 | 2,4,6-Triphenylthiapyrylium cation as homogeneous solar photocatalyst. <i>Catalysis Today</i> , 2007, 129, 37-42. | 4.4 | 12 |
| 75 | Pyrylium salt-photosensitized degradation of phenolic contaminants present in olive oil wastewater with solar light Part III. Tyrosol and p-hydroxyphenylacetic acid. <i>Applied Catalysis B: Environmental</i> , 2002, 35, 167-174. | 20.2 | 26 |
| 76 | Assessment of enzyme-linked immunosorbent assay for the determination of 2,4,5-TP in water and soil. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 374, 262-268. | 3.7 | 8 |
| 77 | Synthesis of spongian diterpenes: (α^{\wedge})-spongian-16-oxo-17-al and (α^{\wedge})-acetyldendrillol-1. <i>Tetrahedron Letters</i> , 2001, 42, 1669-1671. | 1.4 | 13 |
| 78 | Assignment of ^1H and ^{13}C NMR data for (α^{\wedge})-methyl thyriflorin A and some scopadulan precursors. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, 414-416. | 1.9 | 2 |
| 79 | Photoreactivity of the Nonsteroidal Anti-inflammatory 2-Arylpropionic Acids with Photosensitizing Side Effects. <i>Photochemistry and Photobiology</i> , 2001, 74, 637. | 2.5 | 145 |
| 80 | ^1H and ^{13}C NMR assignments and conformational analysis of some podocarpene derivatives. <i>Magnetic Resonance in Chemistry</i> , 2000, 38, 1019-1022. | 1.9 | 4 |
| 81 | A Photophysical and Photochemical Study of 6-Methoxy-2-naphthylacetic Acid, the Major Metabolite of the Phototoxic Nonsteroidal Antiinflammatory Drug Nabumetone. <i>Photochemistry and Photobiology</i> , 2000, 71, 173. | 2.5 | 26 |
| 82 | Tiaprofenic Acid-photosensitized Damage to Nucleic Acids: A Mechanistic Study Using Complementary in vitro Approaches. <i>Photochemistry and Photobiology</i> , 2000, 71, 499. | 2.5 | 23 |
| 83 | First Diastereoselective Synthesis of (α^{\wedge})-Methyl Thyriflorin A, (α^{\wedge})-Methyl Thyriflorin B Acetate, and (α^{\wedge})-Thyriflorin C. <i>Journal of Organic Chemistry</i> , 2000, 65, 840-846. | 3.2 | 15 |
| 84 | A Laser Flash Photolysis and Pulse Radiolysis Study of Primary Photochemical Processes of Flumequine. <i>Photochemistry and Photobiology</i> , 2000, 72, 451. | 2.5 | 17 |
| 85 | Analyzing the uniqueness of the rate constants calculated from complex kinetic systems: A study of the hydrolysis of cyclohexanecarbonitriles. <i>International Journal of Chemical Kinetics</i> , 1999, 31, 611-626. | 1.6 | 3 |
| 86 | ^1H and ^{13}C NMR assignments and conformational analysis of some tetracyclic compounds with a bicyclo[4.2.0]octane ring system. <i>Magnetic Resonance in Chemistry</i> , 1998, 36, 579-586. | 1.9 | 5 |
| 87 | First Diastereoselective Synthesis of (-)-Thyriflorin A Methyl Ester. <i>Synlett</i> , 1997, 1997, 574-576. | 1.8 | 6 |
| 88 | Podocarpane-to-spongian skeleton conversion. Synthesis of (+)-isoagatholactone and (α^{\wedge})-spongia-13(16),14-diene. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1996, , 2193-2199. | 0.9 | 22 |
| 89 | Synthesis of C-17-functionalized beyerane diterpenes. Synthesis of (α^{\wedge})-erythroxyol B, (α^{\wedge})-erythroxydiol A and (α^{\wedge})-benuol. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1994, , 2987-2991. | 0.9 | 8 |
| 90 | Spongian pentacyclic diterpenes. Stereoselective synthesis of aplyroseol-1, aplyroseol-2 and deacetylaplyroseol-2. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1993, , 1861-1867. | 0.9 | 22 |

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| 91 | Spongian pentacyclic diterpenes. Stereoselective synthesis of (-)-dendrillol-1. Journal of Organic Chemistry, 1992, 57, 6861-6869. | 3.2 | 33 |