# Matteo Tiecco

## List of Publications by Year in descending order



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|---|---|---|---|
| 51 papers | 1,405 citations | 279701 23 h-index | 345118 36 g-index |
| 63 all docs | 63 docs citations | 63 times ranked | 1541 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effect of water addition on choline chloride/glycol deep eutectic solvents: Characterization of their structural and physicochemical properties. Journal of Molecular Liquids, 2019, 291, 111301. | 2.3 | 194 |
| 2 | Novel zwitterionic deep eutectic solvents from trimethylglycine and carboxylic acids: characterization of their properties and their toxicity. RSC Advances, 2014, 4, 55990-56002. | 1.7 | 109 |
| 3 | A green deep eutectic solvent dispersive liquid-liquid micro-extraction (DES-DLLME) for the UHPLC-PDA determination of oxyprenylated phenylpropanoids in olive, soy, peanuts, corn, and sunflower oil. Food Chemistry, 2018, 245, 578-585. | 4.2 | 91 |
| 4 | Room temperature deep eutectic solvents of (1S)-(+)-10-camphorsulfonic acid and sulfobetaines: hydrogen bond-based mixtures with low ionicity and structure-dependent toxicity. RSC Advances, 2015, 5, 31772-31786. | 1.7 | 62 |
| 5 | 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. | 2.3 | 49 |
| 6 | Surfactant-Based Photorheological Fluids: Effect of the Surfactant Structure. Langmuir, 2009, 25, 5467-5475. | 1.6 | 45 |
| 7 | Carbonâ€“carbon bond formation in acid deep eutectic solvent: chalcones synthesis via Claisenâ€“Schmidt reaction. RSC Advances, 2016, 6, 43740-43747. | 1.7 | 43 |
| 8 | Novel low viscous, green and amphiphilic N -oxides/phenylacetic acid based Deep Eutectic Solvents. Journal of Molecular Liquids, 2017, 240, 233-239. | 2.3 | 43 |
| 9 | FTIR Metabolomic Fingerprint Reveals Different Modes of Action Exerted by Structural Variants of N-Alkyltropinium Bromide Surfactants on Escherichia coli and Listeria innocua Cells. PLoS ONE, 2015, 10, e0115275. | 1.1 | 43 |
| 10 | Extraction of astaxanthin from Haematococcus pluvialis with hydrophobic deep eutectic solvents based on oleic acid. Food Chemistry, 2022, 379, 132156. | 4.2 | 40 |
| 11 | Use of Innovative (Micro)Extraction Techniques to Characterise <scp>Harpagophytum procumbens</scp> Root and its Commercial Food Supplements. Phytochemical Analysis, 2018, 29, 233-241. | 1.2 | 38 |
| 12 | 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. | 2.3 | 36 |
| 13 | Improved strain sensing properties of cement-based sensors through enhanced carbon nanotube dispersion. Cement and Concrete Composites, 2021, 115, 103842. | 4.6 | 36 |
| 14 | Asymmetric Organocatalysis in Deep Eutectic Solvents. European Journal of Organic Chemistry, 2021, 2021, 4065-4071. | 1.2 | 33 |
| 15 | Biocidal and inhibitory activity screening of de novo synthesized surfactants against two eukaryotic and two prokaryotic microbial species. Colloids and Surfaces B: Biointerfaces, 2013, 111, 407-417. | 2.5 | 30 |
| 16 | Eco-Friendly 1,3-Dipolar Cycloaddition Reactions on Graphene Quantum Dots in Natural Deep Eutectic Solvent. Nanomaterials, 2020, 10, 2549. | 1.9 | 30 |
| 17 | Physical absorption of CO2 in betaine/carboxylic acid-based Natural Deep Eutectic Solvents. Journal of Molecular Liquids, 2020, 315, 113708. | 2.3 | 30 |
| 18 | FTIR analysis of the metabolomic stress response induced by N-alkyltropinium bromide surfactants in the yeasts Saccharomyces cerevisiae and Candida albicans. Colloids and Surfaces B: Biointerfaces, 2014, 116, 761-771. | 2.5 | 29 |

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|---|---|---|---|
| 19 | Novel zwitterionic Natural Deep Eutectic Solvents as environmentally friendly media for spontaneous self-assembly of gold nanoparticles. Journal of Molecular Liquids, 2018, 268, 371-375. | 2.3 | 28 |
| 20 | Baseâ€Free Copperâ€Catalyzed Azideâ€Alkyne Click Cycloadditions (CuAAc) in Natural Deep Eutectic Solvents as Green and Catalytic Reaction Media**. European Journal of Organic Chemistry, 2021, 2021, 4777-4789. | 1.2 | 25 |
| 21 | Launching deep eutectic solvents (DESs) and natural deep eutectic solvents (NADESs), in combination with different harmless co-solvents, for the preparation of more sustainable membranes. Journal of Membrane Science, 2022, 649, 120387. | 4.1 | 25 |
| 22 | Liquid Phase and Microwave-Assisted Extractions for Multicomponent Phenolic Pattern Determination of Five Romanian Galium Species Coupled with Bioassays. Molecules, 2019, 24, 1226. | 1.7 | 24 |
| 23 | pâ€TSAâ€Based DESs as â€œActive Green Solventsâ€• for Microwave Enhanced Cyclization of 2â€Alkynylâ€(hetero)â€arylcarboxylates: an Alternative Access to 6â€Substituted 3,4â€Fused 2â€Pyranones. European Journal of Organic Chemistry, 2019, 2019, 1904-1914. | 1.2 | 24 |
| 24 | Assessment of the organocatalytic activity of chiral l-Proline-based Deep Eutectic Solvents based on their structural features. Journal of Molecular Liquids, 2020, 313, 113573. | 2.3 | 24 |
| 25 | Convenient Esterification of Carboxylic Acids by S<sub>N</sub>2 Reaction Promoted by a Protic Ionic-Liquid System Formed in Situ in Solvent-Free Conditions. Synthetic Communications, 2014, 44, 3248-3256. | 1.1 | 22 |
| 26 | Accelerated decarboxylation of 6-nitrobenzisoxazole-3-carboxylate in imidazolium-based ionic liquids and surfactant ionic liquids. Journal of Colloid and Interface Science, 2010, 348, 137-145. | 5.0 | 20 |
| 27 | Pdâ€Promoted Homocoupling Reactions of Unsaturated Silanes in Aqueous Micelles. European Journal of Organic Chemistry, 2010, 2010, 2275-2279. | 1.2 | 19 |
| 28 | Interaction between DNA and Cationic Amphiphiles: A Multi-Technique Study. Langmuir, 2010, 26, 7885-7892. | 1.6 | 19 |
| 29 | A novel FTIR-based approach to evaluate the interactions between lignocellulosic inhibitory compounds and their effect on yeast metabolism. RSC Advances, 2016, 6, 47981-47989. | 1.7 | 18 |
| 30 | Ionic Conductivity as a Tool To Study Biocidal Activity of Sulfobetaine Micelles against Saccharomyces cerevisiae Model Cells. Langmuir, 2016, 32, 1101-1110. | 1.6 | 18 |
| 31 | Effective and Selective Extraction of Quercetin from Onion (Allium cepa L.) Skin Waste Using Water Dilutions of Acid-Based Deep Eutectic Solvents. Materials, 2021, 14, 6465. | 1.3 | 13 |
| 32 | Effect of Surfactant Structure on the Superactivity of Candida rugosa Lipase. Langmuir, 2018, 34, 11510-11517. | 1.6 | 12 |
| 33 | Synthesis of Novel 5â€²-Uridine-Head Amphiphiles as Model for DNA Molecular Recognition. Nucleosides, Nucleotides and Nucleic Acids, 2009, 28, 911-923. | 0.4 | 11 |
| 34 | Advantageous Use of Ionic Liquids for the Synthesis of Pharmaceutically Relevant Quinolones. European Journal of Organic Chemistry, 2018, 2018, 2977-2983. | 1.2 | 10 |
| 35 | Antioxidant Power on Dermal Cells by Textiles Dyed with an Onion (Allium cepa L.) Skin Extract. Antioxidants, 2021, 10, 1655. | 2.2 | 10 |
| 36 | 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. | 1.7 | 9 |

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|---|---|---|---|
| 37 | Influence of surfactants in improving degradation of polluting dyes photocatalyzed by TiO2 in aqueous dispersion. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 418, 113342. | 2.0 | 9 |
| 38 | Theoretical and experimental evidence for the use of natural deep eutectic solvents to increase the solubility and extractability of curcumin. Journal of Molecular Liquids, 2022, 359, 119149. | 2.3 | 9 |
| 39 | A novel, rapid and automated conductometric method to evaluate surfactantâ€“cells interactions by means of critical micellar concentration analysis. Chemico-Biological Interactions, 2014, 218, 20-27. | 1.7 | 8 |
| 40 | 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. | 2.0 | 8 |
| 41 | Application of the â€œinverted chirality columns approachâ€•for the monitoring of asymmetric synthesis protocols. Talanta, 2019, 203, 147-152. | 2.9 | 8 |
| 42 | Use of a Zwitterionic Surfactant to Improve the Biofunctional Properties of Wool Dyed with an Onion (Allium cepa L.) Skin Extract. Antioxidants, 2020, 9, 1055. | 2.2 | 7 |
| 43 | Probing the structural features and the micro-heterogeneity of various deep eutectic solvents and their water dilutions by the photophysical behaviour of two fluorophores. Journal of Molecular Liquids, 2021, 331, 115718. | 2.3 | 7 |
| 44 | Acid-base responsive probes for mercury(II) ions in aqueous solution. Microchemical Journal, 2018, 141, 127-134. | 2.3 | 6 |
| 45 | Low-cost temperature transition mixtures (TTM) based on ethylene glycol/potassium hydroxide as reversible CO2 sorbents. Journal of Molecular Liquids, 2021, 340, 117180. | 2.3 | 6 |
| 46 | Silverâ€catalysed A<sup>3</sup>â€coupling reactions in phenylacetic acid/alkylamineNâ€oxide eutectic mixture under dielectric heating: An alternative approach to propargylamines. Applied Organometallic Chemistry, 2022, 36, . | 1.7 | 6 |
| 47 | Highly recyclable surfactant-based supramolecular eutectogels for iodine removal. Journal of Molecular Liquids, 2022, 362, 119712. | 2.3 | 5 |
| 48 | Î±-Chymotrypsin superactivity in quaternary ammonium salt solution: kinetic and computational studies. RSC Advances, 2016, 6, 46202-46211. | 1.7 | 4 |
| 49 | Turn-off and -on fluorescence switching of a self-assembled sensor for mercury(II) induced by anionic micelles. Dyes and Pigments, 2020, 173, 107959. | 2.0 | 4 |
| 50 | Fluorescent signal transduction in a self-assembled Hg2+ chemosensor tuned by various interactions in micellar aqueous environment. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 389, 112276. | 2.0 | 4 |
| 51 | Exploring the acidic catalytic role of differently structured deep eutectic solvents in the aza-Michael addition of amines to 2-vinylpiridine. Monatshefte FÃ¼r Chemie, 2020, 151, 1387-1394. | 0.9 | 2 |