

Margherita De Rosa

List of Publications by Year in descending order

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papers

2,153
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201674

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117
all docs

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docs citations

117
times ranked

1725
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Supramolecular catalysis in confined space: making the pyrogallol[4]arene capsule catalytically active in non-competitive solvent. <i>Organic Chemistry Frontiers</i> , 2022, 9, 2453-2463. | 4.5 | 2 |
| 2 | Molecular Recognition in an Aqueous Medium Using Water-Soluble Prismarene Hosts. <i>Organic Letters</i> , 2022, 24, 2711-2715. | 4.6 | 17 |
| 3 | Carbocation catalysis in confined space: activation of trityl chloride inside the hexameric resorcinarene capsule. <i>Chemical Science</i> , 2022, 13, 8618-8625. | 7.4 | 6 |
| 4 | Supramolecular Catalysis with Self-Assembled Capsules and Cages: What Happens in Confined Spaces. <i>ChemCatChem</i> , 2021, 13, 1638-1658. | 3.7 | 52 |
| 5 | Expanding Coefficient: A Parameter To Assess the Stability of Induced-Fit Complexes. <i>Organic Letters</i> , 2021, 23, 1804-1808. | 4.6 | 4 |
| 6 | Reactivity in a Self-assembled Organic Host. <i>Monographs in Supramolecular Chemistry</i> , 2021, , 133-166. | 0.2 | 1 |
| 7 | The Odd Couple(s): An Overview of Beta-Lactam Antibiotics Bearing More Than One Pharmacophoric Group. <i>International Journal of Molecular Sciences</i> , 2021, 22, 617. | 4.1 | 27 |
| 8 | Solvent and Guest-Driven Supramolecular Organic Frameworks Based on a Calix[4]arene-tetrol: Channels vs Molecular Cavities. <i>Crystal Growth and Design</i> , 2021, 21, 6357-6363. | 3.0 | 6 |
| 9 | Unusual Calixarenes Incorporating Chromene and Benzofuran Moieties Obtained via Propargyl Claisen Rearrangement. <i>Organic Letters</i> , 2021, 23, 9283-9287. | 4.6 | 2 |
| 10 | Cephalosporins. , 2021, , 429-439. | | 0 |
| 11 | Synergic Interplay Between Halogen Bonding and Hydrogen Bonding in the Activation of a Neutral Substrate in a Nanoconfined Space. <i>Angewandte Chemie</i> , 2020, 132, 821-828. | 2.0 | 4 |
| 12 | Synergic Interplay Between Halogen Bonding and Hydrogen Bonding in the Activation of a Neutral Substrate in a Nanoconfined Space. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 811-818. | 13.8 | 34 |
| 13 | Prismarenes: A New Class of Macrocyclic Hosts Obtained by Templatation in a Thermodynamically Controlled Synthesis. <i>Journal of the American Chemical Society</i> , 2020, 142, 1752-1756. | 13.7 | 112 |
| 14 | New compounds for a good old class: Synthesis of two β -lactam bearing cephalosporins and their evaluation with a multidisciplinary approach. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115302. | 3.0 | 6 |
| 15 | Kinetic and Thermodynamic Modulation of Dynamic Imine Libraries Driven by the Hexameric Resorcinarene Capsule. <i>Journal of the American Chemical Society</i> , 2020, 142, 14914-14923. | 13.7 | 26 |
| 16 | An Atom-Economical Method for the Formation of Amidopyrroles Exploiting the Self-Assembled Resorcinarene Capsule. <i>Organic Letters</i> , 2020, 22, 2590-2594. | 4.6 | 12 |
| 17 | Synthesis, Characterization, and Solid-State Structure of [8]Cycloparaphenylenes with Inherent Chirality. <i>Journal of Organic Chemistry</i> , 2019, 84, 9489-9496. | 3.2 | 7 |
| 18 | Threading of Conformationally Stable Calix[6]arene Wheels Substituted at the Methylene Bridges. <i>Journal of Organic Chemistry</i> , 2019, 84, 11922-11927. | 3.2 | 8 |

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| 19 | A hexameric resorcinarene capsule as a hydrogen bonding catalyst in the conjugate addition of pyrroles and indoles to nitroalkenes. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2339-2347. | 4.5 | 26 |
| 20 | Negative Solvatochromism in a <i>N</i> -Linked <i>p</i> -Pyridiniumcalix[4]arene Derivative. <i>Organic Letters</i> , 2019, 21, 2704-2707. | 4.6 | 7 |
| 21 | Frontispiece: The Hexameric Resorcinarene Capsule at Work: Supramolecular Catalysis in Confined Spaces. <i>Chemistry - A European Journal</i> , 2019, 25, . | 3.3 | 0 |
| 22 | Green, Mild, and Efficient Friedel-Crafts Benzylation of Scarcely Reactive Arenes and Heteroarenes under On-Water Conditions. <i>ChemSusChem</i> , 2019, 12, 1673-1683. | 6.8 | 6 |
| 23 | The Hexameric Resorcinarene Capsule as a Brønsted Acid Catalyst for the Synthesis of Bis(heteroaryl)methanes in a Nanoconfined Space. <i>Frontiers in Chemistry</i> , 2019, 7, 687. | 3.6 | 13 |
| 24 | Multiple threading of a triple-calix[6]arene host. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2092-2104. | 2.2 | 2 |
| 25 | The Hexameric Resorcinarene Capsule at Work: Supramolecular Catalysis in Confined Spaces. <i>Chemistry - A European Journal</i> , 2019, 25, 4899-4913. | 3.3 | 81 |
| 26 | Co-conformational mechanoisomerism in a calix[6]arene-based [2]rotaxane. <i>Supramolecular Chemistry</i> , 2019, 31, 62-68. | 1.2 | 1 |
| 27 | Threading fluorescent calixarene-wheels with ammonium axles. <i>Supramolecular Chemistry</i> , 2018, 30, 627-641. | 1.2 | 3 |
| 28 | Mild Friedel-Crafts Reactions inside a Hexameric Resorcinarene Capsule: C-Cl Bond Activation through Hydrogen Bonding to Bridging Water Molecules. <i>Angewandte Chemie</i> , 2018, 130, 5521-5526. | 2.0 | 25 |
| 29 | Mild Friedel-Crafts Reactions inside a Hexameric Resorcinarene Capsule: C-Cl Bond Activation through Hydrogen Bonding to Bridging Water Molecules. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5423-5428. | 13.8 | 82 |
| 30 | An Anthracene-Incorporated [8]Cycloparaphenylene Derivative as an Emitter in Photon Upconversion. <i>Journal of Organic Chemistry</i> , 2018, 83, 220-227. | 3.2 | 22 |
| 31 | Synthesis, Optoelectronic, and Supramolecular Properties of a Calix[4]arene-Cycloparaphenylene Hybrid Host. <i>Organic Letters</i> , 2018, 20, 7415-7418. | 4.6 | 12 |
| 32 | Computational analysis of the interactions of a novel cephalosporin derivative with β -lactamases. <i>BMC Structural Biology</i> , 2018, 18, 13. | 2.3 | 4 |
| 33 | Supramolecular Organocatalysis in Water Mediated by Macrocyclic Compounds. <i>Frontiers in Chemistry</i> , 2018, 6, 84. | 3.6 | 46 |
| 34 | Exploiting the β -Bromodienone Route for the Formation and Trapping of Calixarene Oxenium Cations with Enamine Nucleophiles. <i>Journal of Organic Chemistry</i> , 2018, 83, 5947-5953. | 3.2 | 0 |
| 35 | The hexameric resorcinarene capsule as an artificial enzyme: ruling the regio and stereochemistry of a 1,3-dipolar cycloaddition between nitrones and unsaturated aldehydes. <i>Organic Chemistry Frontiers</i> , 2018, 5, 827-837. | 4.5 | 57 |
| 36 | Leaching or not leaching: an alternative approach to antimicrobial materials via copolymers containing crown ethers as active groups. <i>Biomaterials Science</i> , 2017, 5, 741-751. | 5.4 | 14 |

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| 37 | β-Cyclodextrin as a Catalyst for the Synthesis of 2-Methyl-3,5-diarylisoxazolidines in Water. Journal of Organic Chemistry, 2017, 82, 4631-4639. | 3.2 | 29 |
| 38 | Calix[5]arene Through-the-Annulus Threading of Dialkylammonium Guests Weakly Paired to the TFPB Anion. Journal of Organic Chemistry, 2017, 82, 5162-5168. | 3.2 | 23 |
| 39 | A Simple Tetraminocalix[4]arene as a Highly Efficient Catalyst under "On-Water" Conditions through Hydrophobic Amplification of Weak Hydrogen Bonds. Chemistry - A European Journal, 2017, 23, 7142-7151. | 3.3 | 24 |
| 40 | Tuning Cycloparaphenylene Host Properties by Chemical Modification. Journal of Organic Chemistry, 2017, 82, 9885-9889. | 3.2 | 45 |
| 41 | Threading of an Inherently Directional Calixarene Wheel with Oriented Ammonium Axles. Journal of Organic Chemistry, 2017, 82, 8973-8983. | 3.2 | 14 |
| 42 | Supramolecular synthons in the gamma-hydroxybutenolides. CrystEngComm, 2017, 19, 5079-5088. | 2.6 | 3 |
| 43 | Calixarenes. , 2017, , 49-74. | | 5 |
| 44 | Synthesis and biological evaluation of the progenitor of a new class of cephalosporin analogues, with a particular focus on structure-based computational analysis. PLoS ONE, 2017, 12, e0181563. | 2.5 | 7 |
| 45 | Exploiting the hydrophobicity of calixarene macrocycles for catalysis under "on-water" conditions. RSC Advances, 2016, 6, 91846-91851. | 3.6 | 36 |
| 46 | Alkylammonium Guest Induced "Fit Recognition by a Flexible Dihomocalix[4]arene Derivative. European Journal of Organic Chemistry, 2016, 2016, 158-167. | 2.4 | 37 |
| 47 | Large Calixarenes. , 2016, , 141-173. | | 2 |
| 48 | A tetrasulfate-resorcin[6]arene cavitand as the host for organic ammonium guests. Organic Chemistry Frontiers, 2016, 3, 1276-1280. | 4.5 | 4 |
| 49 | Solid-state assembly of a resorcin[6]arene in twin molecular capsules. CrystEngComm, 2016, 18, 5045-5049. | 2.6 | 5 |
| 50 | Improved Synthesis of Larger Resorcinarenes. Journal of Organic Chemistry, 2016, 81, 5726-5731. | 3.2 | 16 |
| 51 | Three Arachidonoylamide Derivatives Inhibit Pro-Inflammatory Genes Expression by Modulating NF-κB and AP1 Activities. Medicinal Chemistry, 2016, 12, 662-673. | 1.5 | 4 |
| 52 | Novel Penicillin-Type Analogues Bearing a Variable Substituted 2-Azetidinone Ring at Position 6: Synthesis and Biological Evaluation. Molecules, 2015, 20, 22044-22057. | 3.8 | 20 |
| 53 | Nucleophilic Functionalization of the Calix[6]arene <i>Para</i> - and <i>Meta</i> -Position via <i>para</i> -Bromodienone Route. Journal of Organic Chemistry, 2015, 80, 7295-7300. | 3.2 | 18 |
| 54 | Novel promising linezolid analogues: Rational design, synthesis and biological evaluation. European Journal of Medicinal Chemistry, 2013, 69, 779-785. | 5.5 | 25 |

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| 55 | Antifungal peptides at membrane interaction. <i>European Journal of Medicinal Chemistry</i> , 2012, 51, 154-162. | 5.5 | 7 |
| 56 | Genomic salmon testes DNA as a catalyst for Michael reactions in water. <i>Tetrahedron</i> , 2012, 68, 3086-3091. | 1.9 | 17 |
| 57 | Water opportunities: catalyst and solvent in Mukaiyama aldol addition of Rawal's diene to carbonyl derivatives. <i>Tetrahedron</i> , 2011, 67, 5949-5955. | 1.9 | 27 |
| 58 | Synthesis of new antifungal peptides selective against <i>Cryptococcus neoformans</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 7985-7990. | 3.0 | 18 |
| 59 | Rapid and General Protocol towards Catalyst-Free Friedel-Crafts Alkylation of Indoles in Water Assisted by Microwave Irradiation. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 1029-1032. | 2.4 | 32 |
| 60 | A combination of water and microwave irradiation promotes the catalyst-free addition of pyrroles and indoles to nitroalkenes. <i>Tetrahedron</i> , 2010, 66, 2981-2986. | 1.9 | 34 |
| 61 | Calixpyrrole Derivatives: Multi Hydrogen Bond-Catalysts for β -Butenolide Synthesis. <i>Molecules</i> , 2009, 14, 2594-2601. | 3.8 | 24 |
| 62 | A New Organocatalytic Approach to Substituted Unsaturated Lactams. <i>Letters in Organic Chemistry</i> , 2009, 6, 301-305. | 0.5 | 18 |
| 63 | Efficient organocatalysis with a calix[4]pyrrole derivative. <i>Tetrahedron Letters</i> , 2008, 49, 153-155. | 1.4 | 29 |
| 64 | An efficient solvent free catalytic oxidation of sulfides to sulfoxides with hydrogen peroxide catalyzed by a binaphthyl-bridged Schiff base titanium complex. <i>Tetrahedron Letters</i> , 2006, 47, 7233-7235. | 1.4 | 40 |
| 65 | The first organocatalytic addition of 2-trimethylsilyloxyfuran to carbonyl compounds: hydrogen-bond catalysis in β -butenolides synthesis. <i>Tetrahedron Letters</i> , 2006, 47, 8507-8510. | 1.4 | 24 |
| 66 | Synthesis of calix[4]arene derivatives bearing chiral pendant groups as ligands for enantioselective catalysis. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 2333-2340. | 1.8 | 49 |
| 67 | Silicon tetrachloride in organic synthesis: new applications for the vinylogous aldol reaction. <i>Tetrahedron</i> , 2005, 61, 4091-4097. | 1.9 | 45 |
| 68 | Study on an Aldol Reaction Catalyzed by Ti(IV)/Calix[n]arene Complexes. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 816-824. | 4.3 | 32 |
| 69 | Silicon Tetrachloride in Organic Synthesis: New Applications for the Vinylogous Aldol Reaction.. <i>ChemInform</i> , 2005, 36, no. | 0.0 | 0 |
| 70 | Synthesis, crystal structure and application in regio- and stereoselective epoxidation of allylic alcohols of a titanium binaphthyl-bridged Schiff base complex. <i>Journal of Molecular Catalysis A</i> , 2005, 235, 253-259. | 4.8 | 19 |
| 71 | Pronounced asymmetric amplification in the aldol condensation of Chan's diene promoted by a Ti(IV)/BINOL complex. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 2421-2424. | 1.8 | 41 |
| 72 | Enantioselective aldol condensation of O-silyldienolates derived from alkyl-substituted 2,2-dimethyl-[1,3]-dioxin-4-ones. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 3029-3033. | 1.8 | 24 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Recent Advances in Asymmetric Aldol Reaction of Masked Acetoacetic Esters Promoted by Ti(IV) / BINOL: A New Methodology, Non-Linear Effects and Autoinduction. <i>Current Organic Chemistry</i> , 2004, 8, 993-1007. | 1.6 | 56 |
| 74 | Mo(CO) ₆ -Catalyzed Oxidation of Furan Derivatives to (E)- and (Z)-Enediones by Cumyl Hydroperoxide.. <i>ChemInform</i> , 2003, 34, no. | 0.0 | 0 |
| 75 | A Convenient Catalytic Procedure for the Highly Enantioselective Aldol Condensation of O-Silyldienolates.. <i>ChemInform</i> , 2003, 34, no. | 0.0 | 0 |
| 76 | Easy approach to chiral Michael adducts by Eu ⁺³ -catalyzed conjugate addition. <i>Chirality</i> , 2003, 15, 579-583. | 2.6 | 8 |
| 77 | Mo(CO) ₆ -Catalyzed oxidation of furan derivatives to E- and Z-enediones by cumyl hydroperoxide. <i>Tetrahedron Letters</i> , 2003, 44, 835-837. | 1.4 | 25 |
| 78 | Ti(IV)/BINOL-catalyzed asymmetric aldol reaction of a masked acetoacetic ester: pronounced influence of catalyst concentration on nonlinear effects. <i>Tetrahedron Letters</i> , 2003, 44, 6087-6090. | 1.4 | 27 |
| 79 | A convenient catalytic procedure for the highly enantioselective aldol condensation of O-silyldienolates. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 2499-2502. | 1.8 | 40 |
| 80 | Nonlinear effects and auto-induction in the asymmetric aldol condensation of synthetic equivalents of acetoacetic esters. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 1949-1952. | 1.8 | 30 |
| 81 | An efficient asymmetric aldol reaction of Chan's diene promoted by chiral Ti(IV)-BINOL complex. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 959-963. | 1.8 | 58 |
| 82 | Asymmetric auto-inductive aldol reaction by self-assembly of chiral ligands. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 1529-1531. | 1.8 | 26 |
| 83 | Stereochemistry of Antiinflammatory Marine Sesterterpenes. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 947-953. | 2.4 | 20 |
| 84 | Enantioselective Synthesis of Pyranofuranone Moieties of Manoalide and Cacospongionolide B by Enzymatic and Chemical Approach. <i>Tetrahedron</i> , 2000, 56, 2095-2102. | 1.9 | 19 |
| 85 | A three-step and enantioselective synthesis of (S)- or (+)-(R)-2-(furan-3-yl)-3,6-dihydro-2H-pyrans. <i>Tetrahedron Letters</i> , 2000, 41, 1593-1596. | 1.4 | 17 |
| 86 | Enantioselective aldol condensation of 1,3-bis-(trimethylsilyloxy)-1-methoxy-buta-1,3-diene promoted by chiral Ti(IV)/BINOL complex. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 2255-2258. | 1.8 | 43 |
| 87 | Enantioselective aldol condensation of O-silyl dienolates to aldehydes mediated by chiral BINOL-titanium complexes. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 3187-3195. | 1.8 | 47 |
| 88 | Efficient synthesis of chiral non-racemic 6-(furan-3-yl)-5,6-dihydro-pyran-2-ones. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 3659-3662. | 1.8 | 24 |
| 89 | First enantioselective synthesis of manoalide: application of aldehyde-dioxinone enantioselective condensation. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 4481-4484. | 1.8 | 32 |
| 90 | K10 montmorillonite catalysis. <i>Green Chemistry</i> , 1999, 1, 157-162. | 9.0 | 27 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91 | An easy approach to chiral non-racemic 6-(furan-3-yl)-5,6-dihydro-pyran-2-ones. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 2197-2199. | 1.8 | 25 |
| 92 | Synthesis and Comparison of the Antiinflammatory Activity of Manoalide and Cacospongionolide B Analogues. <i>Journal of Medicinal Chemistry</i> , 1998, 41, 3232-3238. | 6.4 | 35 |
| 93 | Solvent free reaction under microwave irradiation: A new procedure for Eu ⁺³ catalyzed Michael addition of 1,3-dicarbonyl compounds. <i>Tetrahedron Letters</i> , 1997, 38, 289-290. | 1.4 | 39 |
| 94 | A new approach to pyranofuranones, advanced intermediates for the synthesis of manoalide, cacospongionolides and their analogues. <i>Tetrahedron Letters</i> , 1996, 37, 8007-8010. | 1.4 | 17 |
| 95 | Enzymatic regio- and diastereoselective hydrolysis of peracetylated glycerol- and erythritol-1,2-glucosides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1995, 5, 2321-2324. | 2.2 | 6 |