

Tommaso Carofiglio

List of Publications by Year in descending order

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62
papers

1,761
citations

201674

27
h-index

289244

40
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62
all docs

62
docs citations

62
times ranked

2435
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid Catalytic Oxygenation of Hydrocarbons by Ruthenium Pentafluorophenylporphyrin Complexes: Evidence for the Involvement of a Ru(III) Intermediate. <i>Journal of the American Chemical Society</i> , 1996, 118, 8961-8962.	13.7	162
2	Fast Catalytic Hydroxylation of Hydrocarbons with Ruthenium Porphyrins. <i>Inorganic Chemistry</i> , 2006, 45, 4769-4782.	4.0	86
3	Synthesis and Physicochemical Characterization of Folate- β -Cyclodextrin Bioconjugate for Active Drug Delivery. <i>Bioconjugate Chemistry</i> , 2003, 14, 899-908.	3.6	77
4	Fullerene-Promoted Singlet-Oxygen Photochemical Oxygenations in Glass-Polymer Microstructured Reactors. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2815-2822.	4.3	58
5	Very strong binding and mode of complexation of water-soluble porphyrins with a permethylated β -cyclodextrin. <i>Tetrahedron Letters</i> , 1996, 37, 8019-8022.	1.4	56
6	Nonorganometallic pathway of the Passerini reaction assisted by titanium tetrachloride. <i>Organometallics</i> , 1993, 12, 2726-2736.	2.3	55
7	Efficient Sensitized Photooxygenation in Water by a Porphyrin- β -Cyclodextrin Supramolecular Complex. <i>Organic Letters</i> , 2002, 4, 4635-4637.	4.6	50
8	Optical sensor arrays: one-pot, multiparallel synthesis and cellulose immobilization of pH and metal ion sensitive azo-dyes. <i>Tetrahedron</i> , 2006, 62, 1502-1507.	1.9	50
9	Monocyclopentadienylchlorooxotitanium(IV) dimers, trimers and tetramers. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992, , 1081.	1.1	49
10	Supramolecular catalysis: enantioselective oxidation of thioanisole in water by hydrogen peroxide catalyzed by Mo(VI) in the presence of β -cyclodextrin-based ligands. <i>Journal of Organic Chemistry</i> , 1995, 60, 5986-5988.	3.2	47
11	A nanocellulose-dye conjugate for multi-format optical pH-sensing. <i>Chemical Communications</i> , 2014, 50, 9493-9496.	4.1	43
12	Fullerene/Porphyrin Multicomponent Nanostructures on Ag(110): From Supramolecular Self-Assembly to Extended Copolymers. <i>ACS Nano</i> , 2010, 4, 5147-5154.	14.6	42
13	Synthesis, Characterization, and Supramolecular Properties of a Hydrophilic Porphyrin- β -Cyclodextrin Conjugate. <i>Journal of Organic Chemistry</i> , 2000, 65, 9013-9021.	3.2	41
14	Design of acidochromic dyes for facile preparation of pH sensor layers. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 392, 1411-1418.	3.7	41
15	Flavins Inhibit Human Cytomegalovirus UL80 Protease via Disulfide Bond Formation. <i>Biochemistry</i> , 1996, 35, 5847-5855.	2.5	38
16	Isocyanide complexes of titanium(IV) and vanadium(V): concerning the nonexistent insertion of isocyanides into a metal-chloride bond. <i>Inorganic Chemistry</i> , 1989, 28, 4417-4419.	4.0	36
17	Diacylglycerolipids isolated from a thermophile cyanobacterium from the Euganean hot springs. <i>Natural Product Research</i> , 2006, 20, 766-774.	1.8	35
18	Stereoselective Photopolymerization of Tetraphenylporphyrin Derivatives on Ag(110) at the Sub-Monolayer Level. <i>Chemistry - A European Journal</i> , 2014, 20, 14296-14304.	3.3	35

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19	New simple route to allylstannanes by zinc-mediated coupling of allyl bromides with Bu ₃ SnCl or Bu ₂ SnCl ₂ in H ₂ O(NH ₄ Cl)/THF medium. <i>Organometallics</i> , 1992, 11, 2961-2963.	2.3	34
20	One-Pot Synthesis of Cyanuric Acid-Bridged Porphyrin~Porphyrin Dyads. <i>Journal of Organic Chemistry</i> , 2004, 69, 8121-8124.	3.2	34
21	An optical sensor for pH supported onto tentagel resin beads. <i>Sensors and Actuators B: Chemical</i> , 2008, 130, 477-482.	7.8	34
22	Sensitization of Nanocrystalline TiO ₂ with Multibranching Organic Dyes and Co(III)/(II) Mediators: Strategies to Improve Charge Collection Efficiency. <i>Journal of Physical Chemistry C</i> , 2013, 117, 19885-19896.	3.1	34
23	Shape-selective growth of silver nanoparticles under continuous flow photochemical conditions. <i>Chemical Communications</i> , 2013, 49, 84-86.	4.1	34
24	The continuous-flow cycloaddition of azomethine ylides to carbon nanotubes. <i>Chemical Communications</i> , 2011, 47, 9092.	4.1	30
25	A microfluidic photoreactor enables 2-methylbenzophenone light-driven reactions with superior performance. <i>Chemical Communications</i> , 2018, 54, 6820-6823.	4.1	30
26	Melamine-Bridged Bis(porphyrin-Zn(II)) Receptors: Molecular Recognition Properties. <i>Journal of Organic Chemistry</i> , 2009, 74, 9034-9043.	3.2	28
27	Continuous-flow synthesis of an efficient methanofullerene acceptor for bulk-heterojunction solar cells. <i>Energy and Environmental Science</i> , 2011, 4, 725-727.	30.8	28
28	The bis(methylcyclopentadienyl)titanium(IV) molybdate dimer: a titanium(IV)-molybdenum(VI) eight-membered metal-oxo ring. <i>Inorganic Chemistry</i> , 1991, 30, 3245-3246.	4.0	26
29	Solid-supported Zn(II) porphyrin tweezers as optical sensors for diamines. <i>Chemical Communications</i> , 2010, 46, 3678.	4.1	25
30	Bulky melamine-based Zn-porphyrin tweezer as a CD probe of molecular chirality. <i>Chirality</i> , 2011, 23, 808-819.	2.6	25
31	UV stabilizers bonded to transition metals: Synthesis and X-ray structure of 2-(2-hydroxyphenyl)benzotriazole-oxovanadium(IV) and -dioxomolybdenum(VI) complexes. <i>Polyhedron</i> , 1996, 15, 4435-4440.	2.2	23
32	Catalytic Strategies for Sustainable Oxidations in Water. <i>Synthesis</i> , 2008, 2008, 1971-1978.	2.3	23
33	Nanocrystalline cellulose-porphyrin hybrids: synthesis, supramolecular properties, and singlet-oxygen production. <i>Chemical Communications</i> , 2013, 49, 8525.	4.1	22
34	Rearrangements of C ₅ N- functionalities promoted by cobalt(I): reactivity of cyclopentadienylbis(ethylene)cobalt(I) with dibenzophenone azine, benzophenone oxime, benzylidene(phenyl)amine and crystal structure determinations of the products. <i>Journal of the Chemical Society Dalton Transactions</i> , 1989, , 1957-1962.	1.1	20
35	Titanium ester homoenolates: a structural and synthetic study. <i>Organometallics</i> , 1993, 12, 2845-2848.	2.3	20
36	A novel class of hexanuclear titanoxanes: synthesis, structure and electronic configuration. <i>Journal of Organometallic Chemistry</i> , 1995, 488, 141-154.	1.8	20

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37	On-line monitoring and active control of dye uptake in dye-sensitised solar cells. <i>Chemical Communications</i> , 2011, 47, 11656.	4.1	20
38	Tailoring the wetting properties of thiolene microfluidic materials. <i>Lab on A Chip</i> , 2012, 12, 4041.	6.0	20
39	Synthesis and Catalytic Activity of Gold Nanoparticles Supported on Dendrimeric Nanocellulose Hybrids. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 3186-3192.	2.4	18
40	Nonorganometallic pathway of the Passerini reaction assisted by titanium tetrachloride. <i>Organometallics</i> , 1991, 10, 1659-1660.	2.3	16
41	Capillary zone electrophoresis study of cyclodextrin β -lipoic acid host-guest interaction. <i>Electrophoresis</i> , 2002, 23, 4117-4122.	2.4	16
42	Synthesis, characterization and chemisorption on gold of a β -cyclodextrin β -lipoic acid conjugate. <i>Tetrahedron Letters</i> , 2001, 42, 5241-5244.	1.4	15
43	Microfluidic light-driven synthesis of tetracyclic molecular architectures. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2418-2424.	2.2	15
44	Capillary electrophoresis behavior of water-soluble anionic porphyrins in the presence of β -cyclodextrin and its O-methylated derivatives. <i>Electrophoresis</i> , 2000, 21, 619-626.	2.4	14
45	Synthesis of 6I-amino-6I-deoxy-2,3,6-tri-O-methyl-cyclomaltoheptaose. <i>Carbohydrate Research</i> , 2004, 339, 1361-1366.	2.3	14
46	Chemistry of Carbon Nanotubes in Flow. <i>Journal of Flow Chemistry</i> , 2014, 4, 79-85.	1.9	14
47	Synthesis and spectroscopic properties of a water-soluble porphyrin-modified β -cyclodextrin compound. <i>Tetrahedron Letters</i> , 1997, 38, 7919-7922.	1.4	13
48	Microfluidic Crystallization of Surfactant-Free Doped Zinc Sulfide Nanoparticles for Optical Bioimaging Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 44074-44087.	8.0	13
49	Efficient as-cast bulk-heterojunction solar cells based on a tert-butyl substituted methanofullerene acceptor. <i>Journal of Materials Chemistry</i> , 2011, 21, 18308.	6.7	12
50	Continuous Flow Synthesis of Methanofullerenes in Microstructured Reactors: A Kinetic Study. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5571-5576.	2.4	12
51	Supporting porphyrins on resin-beads by cyanuric chloride linker. <i>Journal of Porphyrins and Phthalocyanines</i> , 2007, 11, 749-754.	0.8	11
52	A highly sensitive method for the analysis of nitrite ions by capillary zone electrophoresis using water-soluble aminophenylporphyrin derivative as chromogenic reagent. <i>Electrophoresis</i> , 2000, 21, 2384-2389.	2.4	8
53	Coll-induced radical oxidations by peroxomolybdenum complexes. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1993, , 1923.	0.9	7
54	Rapid catalytic oxygenation of hydrocarbons with perhalogenated ruthenium porphyrin complexes. <i>Studies in Surface Science and Catalysis</i> , 1997, 110, 865-872.	1.5	7

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55	Synthesis, heterogenization and sensing properties of melamine-bridged bis-porphyrin dimers. Journal of Porphyrins and Phthalocyanines, 2010, 14, 701-707.	0.8	7
56	Ligand-free ZnS nanoparticles: as easy and green as it gets. Chemical Communications, 2020, 56, 8707-8710.	4.1	7
57	Mild Microfluidic Approaches to Oxide Nanoparticles Synthesis. Chemistry - A European Journal, 2022, 28, .	3.3	4
58	Determination of the composition of isomeric mixtures of allylstannanes by means of ^{119}Sn and ^{13}C NMR measurements. Analytica Chimica Acta, 1993, 281, 119-127.	5.4	3
59	Turning optical chemosensors into optodes: a quantum chemical and experimental case-study. Tetrahedron Letters, 2006, 47, 5709-5712.	1.4	1
60	Surface-Driven Porphyrin Self-Assembly on Pre-Activated Si Substrates. Journal of Nanoscience and Nanotechnology, 2011, 11, 3235-3244.	0.9	1
61	Achieving selectivity in porphyrin bromination through a DoE-driven optimization under continuous flow conditions. Journal of Flow Chemistry, 2021, 11, 163-169.	1.9	1
62	Frontispiece: Mild Microfluidic Approaches to Oxide Nanoparticles Synthesis. Chemistry - A European Journal, 2022, 28, .	3.3	1