

Tommaso Carofiglio

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60
papers

1,568
citations

25
h-index

36
g-index

62
ext. papers

1,649
ext. citations

5
avg, IF

3.91
L-index

#	Paper	IF	Citations
60	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	16.4	140
59	Fast catalytic hydroxylation of hydrocarbons with ruthenium porphyrins. <i>Inorganic Chemistry</i> , 2006 , 45, 4769-82	5.1	76
58	Synthesis and physicochemical characterization of folate-cyclodextrin bioconjugate for active drug delivery. <i>Bioconjugate Chemistry</i> , 2003 , 14, 899-908	6.3	70
57	Fullerene-Promoted Singlet-Oxygen Photochemical Oxygenations in Glass-Polymer Microstructured Reactors. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 2815-2822	5.6	53
56	Very strong binding and mode of complexation of water-soluble porphyrins with a permethylated β -cyclodextrin. <i>Tetrahedron Letters</i> , 1996 , 37, 8019-8022	2	52
55	Nonorganometallic pathway of the Passerini reaction assisted by titanium tetrachloride. <i>Organometallics</i> , 1993 , 12, 2726-2736	3.8	51
54	Efficient sensitized photooxygenation in water by a porphyrin-cyclodextrin supramolecular complex. <i>Organic Letters</i> , 2002 , 4, 4635-7	6.2	47
53	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	2.4	46
52	Monocyclopentadienylchlorooxotitanium(IV) dimers, trimers and tetramers. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992 , 1081		46
51	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	4.2	45
50	Fullerene/porphyrin multicomponent nanostructures on Ag(110): from supramolecular self-assembly to extended copolymers. <i>ACS Nano</i> , 2010 , 4, 5147-54	16.7	40
49	Synthesis, characterization, and supramolecular properties of a hydrophilic porphyrin- β -cyclodextrin conjugate. <i>Journal of Organic Chemistry</i> , 2000 , 65, 9013-21	4.2	39
48	Design of acidochromic dyes for facile preparation of pH sensor layers. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 392, 1411-8	4.4	37
47	A nanocellulose-dye conjugate for multi-format optical pH-sensing. <i>Chemical Communications</i> , 2014 , 50, 9493-6	5.8	36
46	Stereoselective photopolymerization of tetraphenylporphyrin derivatives on Ag(110) at the sub-monolayer level. <i>Chemistry - A European Journal</i> , 2014 , 20, 14296-304	4.8	35
45	Flavins inhibit human cytomegalovirus UL80 protease via disulfide bond formation. <i>Biochemistry</i> , 1996 , 35, 5847-55	3.2	33
44	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	5.1	33

43	An optical sensor for pH supported onto tentagel resin beads. <i>Sensors and Actuators B: Chemical</i> , 2008 , 130, 477-482	8.5	31
42	One-pot synthesis of cyanuric acid-bridged porphyrin-porphyrin dyads. <i>Journal of Organic Chemistry</i> , 2004 , 69, 8121-4	4.2	30
41	Shape-selective growth of silver nanoparticles under continuous flow photochemical conditions. <i>Chemical Communications</i> , 2013 , 49, 84-6	5.8	29
40	Sensitization of Nanocrystalline TiO ₂ with Multibranched Organic Dyes and Co(III)/(II) Mediators: Strategies to Improve Charge Collection Efficiency. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 19885-19896	3.8	28
39	The continuous-flow cycloaddition of azomethine ylides to carbon nanotubes. <i>Chemical Communications</i> , 2011 , 47, 9092-4	5.8	28
38	Continuous-flow synthesis of an efficient methanofullerene acceptor for bulk-heterojunction solar cells. <i>Energy and Environmental Science</i> , 2011 , 4, 725-727	35.4	27
37	Diacylglycerolipids isolated from a thermophile cyanobacterium from the Euganean hot springs. <i>Natural Product Research</i> , 2006 , 20, 766-74	2.3	27
36	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	3.8	27
35	Melamine-bridged bis(porphyrin-Zn(II)) receptors: molecular recognition properties. <i>Journal of Organic Chemistry</i> , 2009 , 74, 9034-43	4.2	25
34	A microfluidic photoreactor enables 2-methylbenzophenone light-driven reactions with superior performance. <i>Chemical Communications</i> , 2018 , 54, 6820-6823	5.8	24
33	Bulky melamine-based Zn-porphyrin tweezer as a CD probe of molecular chirality. <i>Chirality</i> , 2011 , 23, 808-19	2.1	24
32	Solid-supported Zn(II) porphyrin tweezers as optical sensors for diamines. <i>Chemical Communications</i> , 2010 , 46, 3678-80	5.8	24
31	Catalytic Strategies for Sustainable Oxidations in Water. <i>Synthesis</i> , 2008 , 2008, 1971-1978	2.9	23
30	Nanocrystalline cellulose-porphyrin hybrids: synthesis, supramolecular properties, and singlet-oxygen production. <i>Chemical Communications</i> , 2013 , 49, 8525-7	5.8	21
29	On-line monitoring and active control of dye uptake in dye-sensitised solar cells. <i>Chemical Communications</i> , 2011 , 47, 11656-8	5.8	20
28	Tailoring the wetting properties of thiolene microfluidic materials. <i>Lab on A Chip</i> , 2012 , 12, 4041-3	7.2	19
27	A novel class of hexanuclear titanoxanes: synthesis, structure and electronic configuration. <i>Journal of Organometallic Chemistry</i> , 1995 , 488, 141-154	2.3	19
26	Titanium ester homoenolates: a structural and synthetic study. <i>Organometallics</i> , 1993 , 12, 2845-2848	3.8	19

25	Rearrangements of CN- 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		19
24	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	2.7	18
23	Synthesis and Catalytic Activity of Gold Nanoparticles Supported on Dendrimeric Nanocellulose Hybrids. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 3186-3192	3.2	16
22	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	5.1	16
21	Capillary zone electrophoresis study of cyclodextrin-lipoic acid host-guest interaction. <i>Electrophoresis</i> , 2002 , 23, 4117-22	3.6	15
20	Capillary electrophoresis behavior of water-soluble anionic porphyrins in the presence of beta-cyclodextrin and its O-methylated derivatives. <i>Electrophoresis</i> , 2000 , 21, 619-26	3.6	14
19	Microfluidic light-driven synthesis of tetracyclic molecular architectures. <i>Beilstein Journal of Organic Chemistry</i> , 2018 , 14, 2418-2424	2.5	14
18	Chemistry of Carbon Nanotubes in Flow. <i>Journal of Flow Chemistry</i> , 2014 , 4, 79-85	3.3	13
17	Synthesis and spectroscopic properties of a water-soluble porphyrin-modified Cyclodextrin compound. <i>Tetrahedron Letters</i> , 1997 , 38, 7919-7922	2	13
16	Nonorganometallic pathway of the Passerini reaction assisted by titanium tetrachloride. <i>Organometallics</i> , 1991 , 10, 1659-1660	3.8	13
15	Continuous Flow Synthesis of Methanofullerenes in Microstructured Reactors: A Kinetic Study. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 5571-5576	3.2	12
14	Synthesis, characterization and chemisorption on gold of a Cyclodextrin-lipoic acid conjugate. <i>Tetrahedron Letters</i> , 2001 , 42, 5241-5244	2	12
13	Efficient as-cast bulk-heterojunction solar cells based on a tert-butyl substituted methanofullerene acceptor. <i>Journal of Materials Chemistry</i> , 2011 , 21, 18308		10
12	Supporting porphyrins on resin-beads by cyanuric chloride linker. <i>Journal of Porphyrins and Phthalocyanines</i> , 2007 , 11, 749-754	1.8	10
11	Synthesis of 6I-amino-6I-deoxy-2I-VII,3I-VII-tetradeca-O-methyl-cyclomaltoheptaose. <i>Carbohydrate Research</i> , 2004 , 339, 1361-6	2.9	10
10	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, 2384-9	3.6	8
9	Rapid catalytic oxygenation of hydrocarbons with perhalogenated ruthenium porphyrin complexes. <i>Studies in Surface Science and Catalysis</i> , 1997 , 110, 865-872	1.8	6
8	Coll-induced radical oxidations by peroxomolybdenum complexes. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1993 , 1923		6

7	Microfluidic Crystallization of Surfactant-Free Doped Zinc Sulfide Nanoparticles for Optical Bioimaging Applications. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 44074-44087	9.5	5
6	Ligand-free ZnS nanoparticles: as easy and green as it gets. <i>Chemical Communications</i> , 2020 , 56, 8707-8710	5.8	4
5	Synthesis, heterogenization and sensing properties of melamine-bridged bis-porphyrin dimers. <i>Journal of Porphyrins and Phthalocyanines</i> , 2010 , 14, 701-707	1.8	4
4	Determination of the composition of isomeric mixtures of allylstannanes by means of ¹¹⁹ Sn and ¹³ C NMR measurements. <i>Analytica Chimica Acta</i> , 1993 , 281, 119-127	6.6	3
3	Surface-driven porphyrin self-assembly on pre-activated Si substrates. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 3235-44	1.3	1
2	Turning optical chemosensors into optodes: a quantum chemical and experimental case-study. <i>Tetrahedron Letters</i> , 2006 , 47, 5709-5712	2	1
1	Achieving selectivity in porphyrin bromination through a DoE-driven optimization under continuous flow conditions. <i>Journal of Flow Chemistry</i> , 2021 , 11, 163-169	3.3	