

Gianluca Pozzi

List of Publications by Year in descending order

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papers

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117625

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131
docs citations

131
times ranked

4688
citing authors

#	ARTICLE	IF	CITATIONS
1	A molecularly engineered hole-transporting material for efficient perovskite solar cells. <i>Nature Energy</i> , 2016, 1, .	39.5	816
2	Poly(ethylene glycol)-Supported TEMPO: An Efficient, Recoverable Metal-Free Catalyst for the Selective Oxidation of Alcohols. <i>Organic Letters</i> , 2004, 6, 441-443.	4.6	139
3	Water-Repellent Low-Dimensional Fluorous Perovskite as Interfacial Coating for 20% Efficient Solar Cells. <i>Nano Letters</i> , 2018, 18, 5467-5474.	9.1	118
4	Efficient aerobic epoxidation of alkenes in perfluorinated solvents catalysed by chiral (salen) Mn complexes. <i>Chemical Communications</i> , 1998, , 877-878.	4.1	117
5	High Open-Circuit Voltage: Fabrication of Formamidinium Lead Bromide Perovskite Solar Cells Using Fluorene-Dithiophene Derivatives as Hole-Transporting Materials. <i>ACS Energy Letters</i> , 2016, 1, 107-112.	17.4	105
6	Cobalt tetraarylporphyrin-catalysed epoxidation of alkenes by dioxygen and 2-methylpropanal under fluorous biphasic conditions. <i>Chemical Communications</i> , 1997, , 69-70.	4.1	88
7	Metal Complexes of a Tetraazacyclotetradecane Bearing Highly Fluorinated Tails: New Catalysts for the Oxidation of Hydrocarbons under Fluorous Biphasic Conditions. <i>Tetrahedron Letters</i> , 1997, 38, 7605-7608.	1.4	80
8	Palladium-catalyzed heck reaction in perfluorinated solvents. <i>Tetrahedron Letters</i> , 1999, 40, 7683-7686.	1.4	74
9	Aerobic oxidation of alcohols to carbonyl compounds mediated by poly(ethylene glycol)-supported TEMPO radicals. <i>Tetrahedron</i> , 2005, 61, 12058-12064.	1.9	73
10	Hydrolytic kinetic resolution of terminal epoxides catalyzed by fluorous chiral Co(salen) complexes. <i>Tetrahedron</i> , 2002, 58, 3943-3949.	1.9	70
11	Poly(ethylene glycol)-Supported Tetrahydroxyphenyl Porphyrin: A Convenient, Recyclable Catalyst for Photooxidation Reactions. <i>Organic Letters</i> , 2002, 4, 4229-4232.	4.6	69
12	Enantioselective Catalysis in Fluorinated Media – Synthesis and Properties of Chiral Perfluoroalkylated (Salen)manganese Complexes. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 1947-1955.	2.4	68
13	Synthesis of perfluoroalkylated bipyridines – New ligands for oxidation reactions under fluorous triphasic conditions. <i>Tetrahedron Letters</i> , 1999, 40, 3647-3650.	1.4	64
14	Potentiometric Sensors Based on Fluorous Membranes Doped with Highly Selective Ionophores for Carbonate. <i>Journal of the American Chemical Society</i> , 2011, 133, 20869-20877.	13.7	62
15	Palladium(0)-catalyzed substitution of allylic substrates in perfluorinated solvents. <i>Tetrahedron Letters</i> , 1998, 39, 9439-9442.	1.4	61
16	A convenient access to triarylphosphines with fluorous phase affinity. <i>Tetrahedron Letters</i> , 1999, 40, 849-852.	1.4	59
17	Fluorous chiral ligands for novel catalytic systems. <i>Coordination Chemistry Reviews</i> , 2003, 242, 115-124.	18.8	59
18	Selective Oxidation of Alcohols to Carbonyl Compounds Mediated by Fluorous-Tagged TEMPO Radicals. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 677-688.	4.3	59

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19	Single-Chain Polyphenyl Phosphates Form Primitive Membranes. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 177-180.	4.4	58
20	Asymmetric Epoxidation of Alkenes in Fluorinated Media, Catalyzed by Second-Generation Fluorous Chiral (Salen)manganese Complexes. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 4639.	2.4	56
21	Second-generation fluororous chiral (salen) manganese complexes. <i>Chemical Communications</i> , 2000, , 2171-2172.	4.1	52
22	Perovskite Solar Cells Employing Molecularly Engineered Zn(II) Phthalocyanines as Hole-transporting Materials. <i>Nano Energy</i> , 2016, 30, 853-857.	16.0	52
23	Towards epoxidation catalysts for fluororous biphasic systems: Synthesis and properties of two Mn(III)-tetraarylporphyrins bearing perfluoroalkylamido tails. <i>Tetrahedron</i> , 1996, 52, 11879-11888.	1.9	50
24	Synthesis of chiral Mn(III)-meso-tetrakis-[2.2]-p-cyclophanyl-porphyrin: a new catalyst for enantioselective epoxidation. <i>Journal of Molecular Catalysis A</i> , 1996, 113, 77-86.	4.8	48
25	Asymmetric hydrogen transfer reduction of ketones using chiral perfluorinated diimines and diamines. <i>Tetrahedron</i> , 2002, 58, 3971-3976.	1.9	48
26	Chiral fluororous phosphorus ligands based on the binaphthyl skeleton: synthesis and applications in asymmetric catalysis. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 2215-2224.	1.8	44
27	Tailed Mn III -tetraarylporphyrins bearing an axial ligand and/or a carboxylic group: self-consistent catalysts for H ₂ O ₂ or NaOCl alkene epoxidation. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1993, , 1345.	0.9	43
28	Fluorous Biphasic Catalytic Oxidation of Sulfides by Molecular Oxygen/2,2-Dimethylpropanal. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 181-186.	2.4	43
29	Epoxidation of Alkenes Under Liquid-Liquid Biphasic Conditions: Synthesis and Catalytic Activity of Mn(III)-Tetraarylporphyrins Bearing Perfluoroalkyl Tails.. <i>Tetrahedron</i> , 1997, 53, 6145-6162.	1.9	41
30	Optoelectronic and Energy Level Exploration of Bismuth and Antimony-Based Materials for Lead-Free Solar Cells. <i>Chemistry of Materials</i> , 2020, 32, 6416-6424.	6.7	40
31	Asymmetric hydrogen transfer reduction of ketones using chiral perfluorinated ligands. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 2881-2884.	1.8	39
32	Synthesis of Perfluoroalkyl-Substituted Bis(oxazolines) as Ligands for Catalytic Enantioselective Reactions. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 1191-1197.	2.4	38
33	Synthesis and Photovoltaic Applications of a 4,4'-Spiro[cyclopenta[2,1-b:3,4-b']dithiophene]-Bridged Donor/Acceptor Dye. <i>Organic Letters</i> , 2013, 15, 4642-4645.	4.6	37
34	Palladium-catalysed asymmetric allylic alkylation in the presence of a chiral "light fluororous" phosphine ligand. <i>Chemical Communications</i> , 2001, , 1220-1221.	4.1	36
35	Asymmetric cyclopropanation catalyzed by fluororous bis(oxazolines) copper complexes. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 1568-1572.	1.8	36
36	Biomimetic models of cytochrome P-450. A doubly tailed manganese(III) tetraaryl porphyrin; an extremely efficient catalyst for hydrocarbon oxygenations promoted by 30% H ₂ O ₂ . <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 1285-1287.	2.0	35

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37	Fluorous biphasic hydrolytic kinetic resolution of terminal epoxides. <i>Journal of Fluorine Chemistry</i> , 2004, 125, 175-180.	1.7	35
38	Fluorous Molecules for Dye-Sensitized Solar Cells: Synthesis and Photoelectrochemistry of Unsymmetrical Zinc Phthalocyanine Sensitizers with Bulky Fluorophilic Donor Groups. <i>Journal of Physical Chemistry C</i> , 2011, 115, 3777-3788.	3.1	35
39	Fashioning Fluorous Organic Spacers for Tunable and Stable Layered Hybrid Perovskites. <i>Chemistry of Materials</i> , 2018, 30, 8211-8220.	6.7	35
40	Synthesis of poly(ethylene glycol)-supported manganese porphyrins: efficient, recoverable and recyclable catalysts for epoxidation of alkenes. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 454-456.	2.8	34
41	NMR relaxometric study of new Gd(III) macrocyclic complexes and their interaction with human serum albumin. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 570.	2.8	34
42	Fluorous phase transfer catalysts: From onium salts to crown ethers. <i>Journal of Fluorine Chemistry</i> , 2008, 129, 920-929.	1.7	32
43	Fluorous Molecules for Dye-Sensitized Solar Cells: Synthesis and Characterization of Fluorene-Bridged Donor/Acceptor Dyes with Bulky Perfluoroalkoxy Substituents. <i>Journal of Physical Chemistry C</i> , 2012, 116, 21190-21200.	3.1	32
44	A New Polytopic Bis-diazacrown-ether-polypyridine Ligand and Its Complexes with Zn(II) Salts and Mononuclear and Dendritic Ru(II) Precursors. Synthesis, Absorption Spectra, Redox Behavior, and Luminescence Properties. <i>Inorganic Chemistry</i> , 2001, 40, 6901-6909.	4.0	31
45	Efficient condensation of carboxylic acids with alcohols catalyzed by fluorous ammonium triflates. <i>Tetrahedron Letters</i> , 2007, 48, 3053-3056.	1.4	29
46	Perfluorocarbon Soluble Crown Ethers as Phase Transfer Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2425-2436.	4.3	29
47	New Perfluoroalkyl-Substituted Bisoxazolines as Chiral Ligands in Asymmetric Cu(I)-Catalyzed Reactions. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 2669-2673.	2.4	28
48	Dual Benzophenone/Copper(II)-Photocatalyzed Giese-Type Alkylation of C(sp ³)-H Bonds. <i>Chemistry - A European Journal</i> , 2019, 25, 16120-16127.	3.3	28
49	Synthesis and catalytic activity of a fluorous-tagged TEMPO radical. <i>Tetrahedron Letters</i> , 2004, 45, 4249-4251.	1.4	27
50	Di(polyprenyl) Phosphates as Models for Primitive Membrane Constituents: Synthesis and Phase Properties. <i>Chemistry - A European Journal</i> , 1996, 2, 789-799.	3.3	26
51	Elucidating the Doping Mechanism in Fluorene-Dithiophene-Based Hole Selective Layer Employing Ultrahydrophobic Ionic Liquid Dopant. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9395-9403.	8.0	26
52	Ion-Selective Electrodes with Unusual Response Functions: Simultaneous Formation of Ionophore-Primary Ion Complexes with Different Stoichiometries. <i>Analytical Chemistry</i> , 2012, 84, 1104-1111.	6.5	25
53	Epoxidation of Olefins by Molecular Oxygen Using Perfluorocarbons as Reaction Media. <i>Synthetic Communications</i> , 1997, 27, 447-452.	2.1	24
54	Fluorous derivatives of (1R,2R)-diaminocyclohexane as chiral ligands for metal-catalyzed asymmetric reactions. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 2319-2327.	1.8	24

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55	Femtosecond Charge Injection Dynamics at Hybrid Perovskite Interfaces. <i>ChemPhysChem</i> , 2017, 18, 2381-2389.	2.1	24
56	Synthesis of a Family of Triarylphosphanes with Fluorous Phase Affinity. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 269-275.	2.4	23
57	A Catalytic Langmuir Film as a Model for Heterogeneous and Homogeneous Catalytic Processes. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6174-6177.	13.8	23
58	C2-Symmetric Fluorous Diamines and Diimines as Ligands for Metal-Catalysed Asymmetric Cyclopropanation of Styrene. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 4545-4551.	2.4	22
59	Search for the Most "primitive" Membranes and Their Reinforcers: A Review of the Polyprenyl Phosphates Theory. <i>Origins of Life and Evolution of Biospheres</i> , 2014, 44, 197-208.	1.9	21
60	One-Pot Conversion of Allylic Nitro Compounds into Nitriles with Carbon Disulphide Under Phase-Transfer Catalysis Conditions. <i>Synthetic Communications</i> , 1990, 20, 965-971.	2.1	19
61	A convenient access to (F-alkyl)alkanals. <i>Tetrahedron Letters</i> , 2002, 43, 6141-6143.	1.4	19
62	How the Horváth paradigm, Fluorous Biphasic Catalysis, affected oxidation chemistry: Successes, challenges, and a sustainable future. <i>Coordination Chemistry Reviews</i> , 2019, 380, 584-599.	18.8	19
63	Dye-sensitized solar cells based on a push-pull zinc phthalocyanine bearing diphenylamine donor groups: computational predictions face experimental reality. <i>Scientific Reports</i> , 2017, 7, 15675.	3.3	17
64	[2.2]-para-Cyclophane-4-carbaldehyde as building-block for chiral ligands. <i>Journal of Molecular Catalysis A</i> , 1998, 136, 13-22.	4.8	16
65	Synthesis and catalytic activity of fluorous chiral primary amine-thioureas. <i>New Journal of Chemistry</i> , 2013, 37, 4140.	2.8	16
66	BODIPY Dyes Bearing Multibranched Fluorinated Chains: Synthesis, Structural, and Spectroscopic Studies. <i>Chemistry - A European Journal</i> , 2019, 25, 9078-9087.	3.3	16
67	Dimeric Mn(III)-tetraarylporphyrins as catalysts for H ₂ O ₂ -promoted olefin epoxidation.. <i>Tetrahedron</i> , 1994, 50, 9025-9036.	1.9	15
68	Reinforcing effect of polyterpenoids on polyprenyl phosphate monolayers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1995, 103, 183-194.	4.7	15
69	Chiral fluorous catalysts: synthesis and purposes. <i>Journal of Molecular Catalysis A</i> , 2002, 182-183, 455-461.	4.8	15
70	Straightforward Synthesis of a Fluorous Tetraarylporphyrin: an Efficient and Recyclable Sensitizer for Photooxygenation Reactions. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 1611-1620.	4.3	15
71	Fluorination of Organic Spacer Impacts on the Structural and Optical Response of 2D Perovskites. <i>Frontiers in Chemistry</i> , 2019, 7, 946.	3.6	14
72	3,5-Bis(perfluorooctyl)benzyltriethylammonium Bromide (F ₁₈ TEBA): An Efficient, Easily Recoverable Fluorous Catalyst for Solid-Liquid PTC Reactions. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 3072-3076.	4.3	13

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73	Ditopic receptors capable of hydrogen bonding: Synthesis and complexation behaviour of diaza crown-ethers having melamine sidearms. <i>Tetrahedron</i> , 1999, 55, 10487-10496.	1.9	12
74	Fluorous TEMPO: An Efficient Mediator for the Aerobic Oxidation of Alcohols to Carbonyl Compounds. <i>QSAR and Combinatorial Science</i> , 2006, 25, 736-741.	1.4	12
75	Oxidation of cycloalkanes with molecular oxygen in the presence of salen metal complexes in thermomorphic conditions. <i>Catalysis Communications</i> , 2013, 39, 102-105.	3.3	12
76	Perovskite Solar Cells: 18% Efficiency Using Zn(II) and Cu(II) Octakis(diarylamine)phthalocyanines as Hole-Transporting Materials. <i>ACS Applied Energy Materials</i> , 2019, 2, 6195-6199.	5.1	12
77	Spatial Charge Separation as the Origin of Anomalous Stark Effect in Fluorous 2D Hybrid Perovskites. <i>Advanced Functional Materials</i> , 2020, 30, 2000228.	14.9	12
78	Enantiopure fluorous amino-derivatives: synthesis and some applications in asymmetric organometallic catalysis. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 2633-2640.	1.8	11
79	Monolayers of Salen Derivatives as Catalytic Planes for Alkene Oxidation in Water. <i>Chemistry - A European Journal</i> , 2005, 11, 6032-6039.	3.3	11
80	Synthesis and Properties of an Electropolymer Obtained from a Dimeric Donor/Acceptor System with a 4,4'-Spiro[2,1-3,4-dithiophene] Core. <i>Macromolecules</i> , 2015, 48, 4364-4372.	4.8	11
81	Zinc phthalocyanines as light harvesters for SnO ₂ -based solar cells: a case study. <i>Scientific Reports</i> , 2020, 10, 1176.	3.3	11
82	Chemoselective Synthesis of N-Protected Alkoxyprolines under Specific Solvation Conditions. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5351-5355.	2.4	10
83	Fluorous molecules for dye-sensitized solar cells: synthesis and properties of di-branched, di-anchoring organic sensitizers containing fluorene subunits. <i>New Journal of Chemistry</i> , 2017, 41, 7729-7738.	2.8	9
84	Spectroscopic characterization of fluorinated/hydrogenated mixed vesicles containing fluorinated Mn(III)-porphyrin. <i>Inorganica Chimica Acta</i> , 1998, 272, 274-282.	2.4	8
85	Property tuning in unsymmetrical alkoxy zinc phthalocyanines by introduction of perfluoro-tert-butoxy end groups. <i>Journal of Fluorine Chemistry</i> , 2016, 188, 110-116.	1.7	8
86	Improving the Electropolymerization Properties of Fluorene-Bridged Dicarbazole Monomers through Polyfluoroalkyl Side Chains. <i>Langmuir</i> , 2019, 35, 8732-8740.	3.5	8
87	A study on the solution and gas-phase chemistry of Mn(III) and Fe(III) tetraarylporphyrin complexes by fast-atom bombardment mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1993, 4, 249-254.	2.8	7
88	Oxygenation Reactions under Two-Phase Conditions. <i>Catalysis By Metal Complexes</i> , 1994, , 149-173.	0.6	7
89	Einkettige Polyprenylphosphate bilden primitive Membranen. <i>Angewandte Chemie</i> , 1996, 108, 190-192.	2.0	6
90	Mn(III)-tetraarylporphyrins bearing covalently bonded crown-ethers: synthesis and catalytic activity in 1-dodecene epoxidation promoted by aqueous HOClOCl [•] . <i>Journal of Molecular Catalysis A</i> , 1996, 113, 369-377.	4.8	6

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91	A study on the solution and gas-phase chemistry of Mn(III) and Fe(III) tetraarylporphyrin complexes by fast-atom bombardment mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1993, 4, 255-258.	2.8	5
92	Synthesis and ¹⁹ F NMR parameters of a perfluoro-tert-butoxy tagged L-DOPA analogue. <i>Journal of Fluorine Chemistry</i> , 2020, 237, 109596.	1.7	5
93	Molecular Engineering of Thienyl Functionalized Ullazines as Hole-Transporting Materials for Perovskite Solar Cells. <i>Solar Rrl</i> , 2022, 6, .	5.8	5
94	Mn(III) bis-porphyrins as catalysts in H ₂ O ₂ alkene epoxidations in the presence of a lipophilic bidentate imidazole ligand. <i>Rendiconti Lincei</i> , 1993, 4, 207-212.	2.2	4
95	Synthesis, Photophysical Properties, and Complexation Behavior of Three New Luminescent Tetraaza-tetraoxamacrobicyclic Receptors. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 587-594.	2.4	3
96	Fluoroponytailed Crown Ethers and Quaternary Ammonium Salts as Solid-Liquid Phase Transfer Catalysts in Organic Synthesis. <i>Topics in Current Chemistry</i> , 2011, 308, 213-232.	4.0	3
97	Phase-Transfer Catalysis in Environmentally Benign Reaction Media. , 2004, , 1042-1052.		1
98	Electron Donor-Acceptor Spirobi[cyclopenta[2,1-b]thiophene-3,4-dithiophene] Derivatives as Precursors of Electrodeposited Regioregular Thiophene-based Polymers. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 671-682.	2.4	1
99	Poly(ethylene glycol)-Supported Tetrahydroxyphenyl Porphyrin: A Convenient, Recyclable Catalyst for Photooxidation Reactions.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
100	Synthesis of Poly(ethylene glycol)-Supported Manganese Porphyrins: Efficient, Recoverable and Recyclable Catalysts for Epoxidation of Alkenes.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
101	Synthesis of Perfluoroalkyl-Substituted Bis(oxazolines) as Ligands for Catalytic Enantioselective Reactions.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
102	Chiral Fluorous Phosphorus Ligands Based on the Binaphthyl Skeleton: Synthesis and Applications in Asymmetric Catalysis.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
103	Fluorous Biphasic Hydrolytic Kinetic Resolution of Terminal Epoxides.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
104	Poly(ethylene glycol)-Supported TEMPO: An Efficient, Recoverable Metal-Free Catalyst for the Selective Oxidation of Alcohols.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
105	Synthesis and Catalytic Activity of a Fluorous-Tagged TEMPO Radical.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
106	Enantiopure Fluorous Amino-Derivatives: Synthesis and Some Applications in Asymmetric Organometallic Catalysis.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
107	C ₂ -Symmetric Fluorous Diamines and Diimines as Ligands for Metal-Catalyzed Asymmetric Cyclopropanation of Styrene.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
108	Asymmetric Hydrogen Transfer Reduction of Ketones Using Chiral Perfluorinated Diimines and Diamines.. <i>ChemInform</i> , 2002, 33, 32-32.	0.0	0

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109	Chapter 6. Fluorous Catalysts. RSC Green Chemistry, 0, , 159-205.	0.1	0