Marco Cavazzini

List of Publications by Year
in descending order

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81	5,077	136950	88630
papers	citations	32 h-index	70 g-index

90	90	90	7183
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design of luminescent lanthanide complexes: From molecules to highly efficient photo-emitting materials. Coordination Chemistry Reviews, 2010, 254, 487-505.	18.8	848
2	A molecularly engineered hole-transporting material for efficient perovskite solar cells. Nature Energy, 2016, 1, .	39.5	816
3	Visible and Near-Infrared Intense Luminescence from Water-Soluble Lanthanide [Tb(III), Eu(III), Sm(III), Dy(III), Pr(III), Ho(III), Yb(III), Nd(III), Er(III)] Complexes. Inorganic Chemistry, 2005, 44, 529-537.	4.0	348
4	Highly conductive â^¼40-nm-long molecular wiresÂassembled by stepwise incorporation ofÂmetalÂcentres. Nature Materials, 2009, 8, 41-46.	27.5	265
5	Copper-catalyzed aerobic oxidation of alcohols under fluorous biphasic conditions. Tetrahedron Letters, 2000, 41, 4343-4346.	1.4	221
6	Poly(ethylene glycol)-Supported TEMPO:â€‰ An Efficient, Recoverable Metal-Free Catalyst for the Selective Oxidation of Alcohols. Organic Letters, 2004, 6, 441-443.	4.6	139
7	Water-Repellent Low-Dimensional Fluorous Perovskite as Interfacial Coating for 20% Efficient Solar Cells. Nano Letters, 2018, 18, 5467-5474.	9.1	118
8	Perfluorocarbon-soluble catalysts and reagents and the application of FBS (fluorous biphase system) to organic synthesis. Journal of Fluorine Chemistry, 1999, 94, 183-193.	1.7	109
9	Highly Luminescent Eu3+and Tb3+Macrocyclic Complexes Bearing an Appended Phenanthroline Chromophore. Inorganic Chemistry, 2002, 41, 2777-2784.	4.0	105
10	High Open-Circuit Voltage: Fabrication of Formamidinium Lead Bromide Perovskite Solar Cells Using Fluoreneâ€“Dithiophene Derivatives as Hole-Transporting Materials. ACS Energy Letters, 2016, 1, 107-112.	17.4	105
11	Terpyridine Zn(II), Ru(III), and Ir(III) Complexes:â€‰ The Relevant Role of the Nature of the Metal Ion and of the Ancillary Ligands on the Second-Order Nonlinear Response of Terpyridines Carrying Electron Donor or Electron Acceptor Groups. Inorganic Chemistry, 2005, 44, 8967-8978.	4.0	82
12	Metal Complexes of a Tetraazacyclotetradecane Bearing Highly Fluorinated Tails: New Catalysts for the Oxidation of Hydrocarbons under Fluorous Biphasic Conditions. Tetrahedron Letters, 1997, 38, 7605-7608.	1.4	80
13	Control over Energy Transfer between Fluorescent BODIPY Dyes in a Strongly Coupled Microcavity. ACS Photonics, 2018, 5, 258-266.	6.6	77
14	A Yellow Polariton Condensate in a Dye Filled Microcavity. Advanced Optical Materials, 2017, 5, 1700203.	7.3	75
15	Hydrolytic kinetic resolution of terminal epoxides catalyzed by fluorous chiral Co(salen) complexes. Tetrahedron, 2002, 58, 3943-3949.	1.9	70
16	Enantioselective Catalysis in Fluorinated Media â€“ Synthesis and Properties of Chiral Perfluoroalkylated (Salen)manganese Complexes. European Journal of Organic Chemistry, 1999, 1999, 1947-1955.	2.4	68
17	Self-Functionalizing Polymer Film Surfaces Assisted by Specific Polystyrene End-Tagging. Chemistry of Materials, 2010, 22, 2764-2769.	6.7	68
18	Synthesis of perfluoroalkylated bipyridines â€” New ligands for oxidation reactions under fluorous triphasic conditions. Tetrahedron Letters, 1999, 40, 3647-3650.	1.4	64

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19	Efficient Radiative Pumping of Polaritons in a Strongly Coupled Microcavity by a Fluorescent Molecular Dye. Advanced Optical Materials, 2016, 4, 1615-1623.	7.3	61
20	Intermolecular states in organic dye dispersions: excimers vs. aggregates. Journal of Materials Chemistry C, 2017, 5, 8380-8389.	5.5	60
21	Selective Oxidation of Alcohols to Carbonyl Compounds Mediated by Fluorous-Tagged TEMPO Radicals. Advanced Synthesis and Catalysis, 2005, 347, 677-688.	4.3	59
22	Photophysical properties and tunable colour changes of silica single layers doped with lanthanide(iii) complexes. Chemical Communications, 2007, , 2911.	4.1	58
23	Asymmetric Epoxidation of Alkenes in Fluorinated Media, Catalyzed by Second-Generation Fluorous Chiral (Salen)manganese Complexes. European Journal of Organic Chemistry, 2001, 2001, 4639.	2.4	56
24	Second-generation fluorous chiral (salen) manganese complexes. Chemical Communications, 2000, , 2171-2172.	4.1	52
25	Stepwise Formation of Ruthenium(II) Complexes by Direct Reaction on Organized Assemblies of Thiol-Terpyridine Species on Gold. ChemPhysChem, 2007, 8, 227-230.	2.1	52
26	Synthesis, Characterization, Absorption Spectra, and Luminescence Properties of Multinuclear Species Made of Ru(II) and Ir(III) Chromophores. Inorganic Chemistry, 2009, 48, 8578-8592.	4.0	52
27	Perovskite Solar Cells Employing Molecularly Engineered Zn(II) Phthalocyanines as Hole-transporting Materials. Nano Energy, 2016, 30, 853-857.	16.0	52
28	Coupling synthetic antenna and electron donor species: A tetranuclear mixed-metal Os(II)â€“Ru(II) dendrimer containing six phenothiazine donor subunits at the periphery. Coordination Chemistry Reviews, 2007, 251, 536-545.	18.8	50
29	Chiral fluorous phosphorus ligands based on the binaphthyl skeleton: synthesis and applications in asymmetric catalysis. Tetrahedron: Asymmetry, 2003, 14, 2215-2224.	1.8	44
30	Synthesis and Photovoltaic Applications of a 4,4â€²-Spirobi[cyclopenta[2,1-b;3,4-bâ€²]dithiophene]-Bridged Donor/Acceptor Dye. Organic Letters, 2013, 15, 4642-4645.	4.6	37
31	Palladium-catalysed asymmetric allylic alkylation in the presence of a chiral â€˜light fluorousâ€™ phosphine ligand. Chemical Communications, 2001, , 1220-1221.	4.1	36
32	Fluorous biphasic hydrolytic kinetic resolution of terminal epoxides. Journal of Fluorine Chemistry, 2004, 125, 175-180.	1.7	35
33	Fashioning Fluorous Organic Spacers for Tunable and Stable Layered Hybrid Perovskites. Chemistry of Materials, 2018, 30, 8211-8220.	6.7	35
34	Fluorous biphasic oxidation of sulfides catalysed by (salen)manganese(III) complexes. Journal of Molecular Catalysis A, 2003, 204-205, 433-441.	4.8	33
35	Two-color luminescence from a tetranuclear Ir(iii)/Ru(ii) complex. Chemical Communications, 2005, , 5266.	4.1	32
36	Fluorous Molecules for Dye-Sensitized Solar Cells: Synthesis and Characterization of Fluorene-Bridged Donor/Acceptor Dyes with Bulky Perfluoroalkoxy Substituents. Journal of Physical Chemistry C, 2012, 116, 21190-21200.	3.1	32

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37	A Joint Experimental and Theoretical Investigation on Nonlinear Optical (NLO) Properties of a New Class of Pushâ€“Pull Spirobifluorene Compounds. European Journal of Organic Chemistry, 2010, 2010, 4004-4016.	2.4	29
38	Synthesis and catalytic activity of a fluorous-tagged TEMPO radical. Tetrahedron Letters, 2004, 45, 4249-4251.	1.4	27
39	Highly homogeneous, transparent and luminescent SiO2glassy layers containing a covalently bound tetraazacyclododecaneâ€“triacetic acidâ€“Eu(iii)â€“acetophenone complex. Journal of Materials Chemistry, 2006, 16, 741-747.	6.7	27
40	Highly Photoluminescent Silica Layers Doped with Efficient Eu(III) and Tb(III) Antenna Complexes. Chemistry of Materials, 2009, 21, 2941-2949.	6.7	27
41	Second-Order Nonlinear Optical (NLO) Properties of a Multichromophoric System Based on an Ensemble of Four Organic NLO Chromophores Nanoorganized on a Cyclotetrasiloxane Architecture. Journal of Physical Chemistry C, 2009, 113, 2745-2760.	3.1	26
42	Femtosecond Chargeâ€Injection Dynamics at Hybrid Perovskite Interfaces. ChemPhysChem, 2017, 18, 2381-2389.	2.1	24
43	The effect of perylene diimides chemical structure on the photovoltaic performance of P3HT/perylene diimides solar cells. Dyes and Pigments, 2015, 120, 57-64.	3.7	23
44	Manganese-porphyrins and -azaporphyrins as catalysts in alkene epoxidations with peracetic acid. Part 2. Kinetics and mechanismâ€Š1. Journal of the Chemical Society Perkin Transactions II, 1997, , 1577-1584.	0.9	19
45	Zirconium phosphate/phosphonate multilayered films based on pushâ€“pull stilbazolium salt: synthesis, characterization and second harmonic generation. Dalton Transactions, 2008, , 2974.	3.3	18
46	Tuning the Nature of the Fluorescent State: A Substituted Polycondensed Dye as a Case Study. Chemistry - A European Journal, 2013, 19, 924-935.	3.3	18
47	New [(D-terpyridine)-Ru-(D or A-terpyridine)][4-EtPhCO2]2 complexes (D = electron donor group; A =) Tj ETQq1 1 0.784314 rgBT /Ov Transactions, 2012, 41, 6707.	3.3	17
48	Dye-sensitized solar cells based on a push-pull zinc phthalocyanine bearing diphenylamine donor groups: computational predictions face experimental reality. Scientific Reports, 2017, 7, 15675.	3.3	17
49	Luminescence properties and solution dynamics of lanthanide complexes composed by a macrocycle hosting site and naphthalene or quinoline appended chromophore. Inorganica Chimica Acta, 2007, 360, 2549-2557.	2.4	16
50	Design of perylene diimides for organic solar cell: Effect of molecular steric hindrance and extended conjugation. Materials Chemistry and Physics, 2015, 163, 152-160.	4.0	16
51	BODIPY Dyes Bearing Multibranched Fluorinated Chains: Synthesis, Structural, and Spectroscopic Studies. Chemistry - A European Journal, 2019, 25, 9078-9087.	3.3	16
52	Chiral fluorous catalysts: synthesis and purposes. Journal of Molecular Catalysis A, 2002, 182-183, 455-461.	4.8	15
53	Efficient Luminescence from Fluoreneâ€•and Spirobifluoreneâ€Based Lanthanide Complexes upon Nearâ€Visible Irradiation. Chemistry - A European Journal, 2014, 20, 4598-4607.	3.3	15
54	Side chain modification on PDI-spirobifluorene-based molecular acceptors and its impact on organic solar cell performances. New Journal of Chemistry, 2018, 42, 18633-18640.	2.8	15

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55	Fluorination of Organic Spacer Impacts on the Structural and Optical Response of 2D Perovskites. Frontiers in Chemistry, 2019, 7, 946.	3.6	14
56	White Luminescent Silica Layers: The Molecular Design Beneath. ChemPhysChem, 2010, 11, 2499-2502.	2.1	13
57	Polar Fluorenes and Spirobifluorenes: Fluorescence and Fluorescence Anisotropy Spectra. Journal of Physical Chemistry B, 2011, 115, 11420-11430.	2.6	13
58	A highly sensitive luminescent lectin sensor based on an Î±-d-mannose substituted Tb3+ antenna complex. Dalton Transactions, 2013, 42, 9453.	3.3	13
59	Ditopic receptors capable of hydrogen bonding: Synthesis and complexation behaviour of diaza crown-ethers having melamine sidearms. Tetrahedron, 1999, 55, 10487-10496.	1.9	12
60	Synthesis and photophysical characterization of highly luminescent silica films doped with substituted 2-hydroxyphthalamide (IAM) terbium complexes. Dalton Transactions, 2011, 40, 11530.	3.3	12
61	Luminescent Ir(III) Complex Exclusively Made of Polypyridine Ligands Capable of Intercalating into Calf-Thymus DNA. Inorganic Chemistry, 2011, 50, 10667-10672.	4.0	12
62	Perovskite Solar Cells: 18% Efficiency Using Zn(II) and Cu(II) Octakis(diarylamine)phthalocyanines as Hole-Transporting Materials. ACS Applied Energy Materials, 2019, 2, 6195-6199.	5.1	12
63	Spatial Charge Separation as the Origin of Anomalous Stark Effect in Fluorous 2D Hybrid Perovskites. Advanced Functional Materials, 2020, 30, 2000228.	14.9	12
64	Synthesis and Properties of an Electropolymer Obtained from a Dimeric Donor/Acceptor System with a 4,4â€²-Spirobi[cyclopenta[2,1-b:3,4-bâ€²]dithiophene] Core. Macromolecules, 2015, 48, 4364-4372.	4.8	11
65	Zinc phthalocyanines as light harvesters for SnO2-based solar cells: a case study. Scientific Reports, 2020, 10, 1176.	3.3	11
66	Polariton condensation in an organic microcavity utilising a hybrid metal-DBR mirror. Scientific Reports, 2021, 11, 20879.	3.3	11
67	Mn-tetraarylporphyrins bearing N-alkyl sulphonamido tails: effect of the length and polarity of the chains on physical properties and reactivity. Journal of Molecular Catalysis A, 2000, 151, 17-28.	4.8	9
68	Intimately bound coumarin and bis(alkylaminostyryl)benzene fragments: synthesis and energy transfer. Tetrahedron, 2013, 69, 2827-2833.	1.9	9
69	Fluorous molecules for dye-sensitized solar cells: synthesis and properties of di-branched, di-anchoring organic sensitizers containing fluorene subunits. New Journal of Chemistry, 2017, 41, 7729-7738.	2.8	9
70	Property tuning in unsymmetrical alkoxy zinc phthalocyanines by introduction of perfluoro-tert-butoxy end groups. Journal of Fluorine Chemistry, 2016, 188, 110-116.	1.7	8
71	Solvent-control of photoinduced electron transfer via hydrogen bonding in a molecular triad made of a dinuclear chromophore subunit. Chemical Physics Letters, 2017, 683, 96-104.	2.6	7
72	Proton-assisted interaction between luminescent species containing diazacrown ethers and anthryl chromophores. Journal of Materials Chemistry, 2005, 15, 2762.	6.7	6

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73	Synthesis and 19F NMR parameters of a perfluoro-tert-butoxy tagged L-DOPA analogue. Journal of Fluorine Chemistry, 2020, 237, 109596.	1.7	5
74	Molecular Engineering of Thienyl Functionalized Ullazines as Holeâ€Transporting Materials for Perovskite Solar Cells. Solar Rrl, 2022, 6, .	5.8	5
75	Reply to â€œLuminescent lanthanide complexes: Selection rules and designâ€• Coordination Chemistry Reviews, 2010, 254, 3029.	18.8	4
76	The Role of Ligand Topology in the Decomplexation of Luminescent Lanthanide Complexes by Dipicolinic Acid. ChemPhysChem, 2016, 17, 3229-3236.	2.1	2
77	Electron Donorâ€Acceptor Spirobi[cyclopenta[2,1â€•b â€‰:â€‰3,4â€•bâ€²]dithiophene] Derivatives as Precursors of Electrodeposited Regioregular Thiopheneâ€based Polymers. European Journal of Organic Chemistry, 2021, 2021, 671-682.	2.4	1
78	Chiral Fluorous Phosphorus Ligands Based on the Binaphthyl Skeleton: Synthesis and Applications in Asymmetric Catalysis.. ChemInform, 2003, 34, no.	0.0	0
79	Fluorous Biphasic Hydrolytic Kinetic Resolution of Terminal Epoxides.. ChemInform, 2004, 35, no.	0.0	0
80	Poly(ethylene glycol)-Supported TEMPO: An Efficient, Recoverable Metal-Free Catalyst for the Selective Oxidation of Alcohols.. ChemInform, 2004, 35, no.	0.0	0
81	Synthesis and Catalytic Activity of a Fluorous-Tagged TEMPO Radical.. ChemInform, 2004, 35, no.	0.0	0