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	Molecular Engineering of Thienyl Functionalized Ullazines as Holeâ€Transporting Materials for Perovskite Solar Cells. Solar Rrl, 2022, 6, .	5.8	5
2	Polariton condensation in an organic microcavity utilising a hybrid metal-DBR mirror. Scientific Reports, 2021, 11, 20879.	3.3	11
3	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
4	Spatial Charge Separation as the Origin of Anomalous Stark Effect in Fluorous 2D Hybrid Perovskites. Advanced Functional Materials, 2020, 30, 2000228.	14.9	12
5	Synthesis and 19F NMR parameters of a perfluoro-tert-butoxy tagged L-DOPA analogue. Journal of Fluorine Chemistry, 2020, 237, 109596.	1.7	5
6	Zinc phthalocyanines as light harvesters for SnO2-based solar cells: a case study. Scientific Reports, 2020, 10, 1176.	3.3	11
7	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
8	BODIPY Dyes Bearing Multibranched Fluorinated Chains: Synthesis, Structural, and Spectroscopic Studies. Chemistry - A European Journal, 2019, 25, 9078-9087.	3.3	16
9	Fluorination of Organic Spacer Impacts on the Structural and Optical Response of 2D Perovskites. Frontiers in Chemistry, 2019, 7, 946.	3.6	14
10	Control over Energy Transfer between Fluorescent BODIPY Dyes in a Strongly Coupled Microcavity. ACS Photonics, 2018, 5, 258-266.	6.6	77
11	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
12	Fashioning Fluorous Organic Spacers for Tunable and Stable Layered Hybrid Perovskites. Chemistry of Materials, 2018, 30, 8211-8220.	6.7	35
13	Water-Repellent Low-Dimensional Fluorous Perovskite as Interfacial Coating for 20% Efficient Solar Cells. Nano Letters, 2018, 18, 5467-5474.	9.1	118
14	Femtosecond Chargeâ€Injection Dynamics at Hybrid Perovskite Interfaces. ChemPhysChem, 2017, 18, 2381-2389.	2.1	24
15	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
16	A Yellow Polariton Condensate in a Dye Filled Microcavity. Advanced Optical Materials, 2017, 5, 1700203.	7.3	75
17	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
18	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

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19	Intermolecular states in organic dye dispersions: excimers vs. aggregates. Journal of Materials Chemistry C, 2017, 5, 8380-8389.	5.5	60
20	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
21	Perovskite Solar Cells Employing Molecularly Engineered Zn(II) Phthalocyanines as Hole-transporting Materials. Nano Energy, 2016, 30, 853-857.	16.0	52
22	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
23	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
24	The Role of Ligand Topology in the Decomplexation of Luminescent Lanthanide Complexes by Dipicolinic Acid. ChemPhysChem, 2016, 17, 3229-3236.	2.1	2
25	A molecularly engineered hole-transporting material for efficient perovskite solar cells. Nature Energy, 2016, 1, .	39.5	816
26	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
27	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
28	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
29	Efficient Luminescence from Fluoreneâ€•and Spirobifluoreneâ€Based Lanthanide Complexes upon Nearâ€Visible Irradiation. Chemistry - A European Journal, 2014, 20, 4598-4607.	3.3	15
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	A highly sensitive luminescent lectin sensor based on an Î±-d-mannose substituted Tb3+ antenna complex. Dalton Transactions, 2013, 42, 9453.	3.3	13
32	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
33	Intimately bound coumarin and bis(alkylaminostyryl)benzene fragments: synthesis and energy transfer. Tetrahedron, 2013, 69, 2827-2833.	1.9	9
34	New [(D-terpyridine)-Ru-(D or A-terpyridine)][4-EtPhCO2]2 complexes (D = electron donor group; A =) Tj ETQq0 0 0 rgBT /Overlock 10 T Transactions, 2012, 41, 6707.	3.3	17
35	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
36	Polar Fluorenes and Spirobifluorenes: Fluorescence and Fluorescence Anisotropy Spectra. Journal of Physical Chemistry B, 2011, 115, 11420-11430.	2.6	13

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37	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
38	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
39	White Luminescent Silica Layers: The Molecular Design Beneath. ChemPhysChem, 2010, 11, 2499-2502.	2.1	13
40	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
41	Design of luminescent lanthanide complexes: From molecules to highly efficient photo-emitting materials. Coordination Chemistry Reviews, 2010, 254, 487-505.	18.8	848
42	Reply to â€œLuminescent lanthanide complexes: Selection rules and designâ€• Coordination Chemistry Reviews, 2010, 254, 3029.	18.8	4
43	Self-Functionalizing Polymer Film Surfaces Assisted by Specific Polystyrene End-Tagging. Chemistry of Materials, 2010, 22, 2764-2769.	6.7	68
44	Highly conductive â^¼40-nm-long molecular wiresÂassembled by stepwise incorporation ofÂmetalÂcentres. Nature Materials, 2009, 8, 41-46.	27.5	265
45	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
46	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
47	Highly Photoluminescent Silica Layers Doped with Efficient Eu(III) and Tb(III) Antenna Complexes. Chemistry of Materials, 2009, 21, 2941-2949.	6.7	27
48	Zirconium phosphate/phosphonate multilayered films based on pushâ€“pull stilbazolium salt: synthesis, characterization and second harmonic generation. Dalton Transactions, 2008, , 2974.	3.3	18
49	Photophysical properties and tunable colour changes of silica single layers doped with lanthanide(iii) complexes. Chemical Communications, 2007, , 2911.	4.1	58
50	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
51	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
52	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
53	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
54	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

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55	Selective Oxidation of Alcohols to Carbonyl Compounds Mediated by Fluorous-Tagged TEMPO Radicals. Advanced Synthesis and Catalysis, 2005, 347, 677-688.	4.3	59
56	Two-color luminescence from a tetranuclear Ir(iii)/Ru(ii) complex. Chemical Communications, 2005, , 5266.	4.1	32
57	Proton-assisted interaction between luminescent species containing diazacrown ethers and anthryl chromophores. Journal of Materials Chemistry, 2005, 15, 2762.	6.7	6
58	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
59	Fluorous Biphasic Hydrolytic Kinetic Resolution of Terminal Epoxides.. ChemInform, 2004, 35, no.	0.0	0
60	Poly(ethylene glycol)-Supported TEMPO: An Efficient, Recoverable Metal-Free Catalyst for the Selective Oxidation of Alcohols.. ChemInform, 2004, 35, no.	0.0	0
61	Synthesis and Catalytic Activity of a Fluorous-Tagged TEMPO Radical.. ChemInform, 2004, 35, no.	0.0	0
62	Synthesis and catalytic activity of a fluorous-tagged TEMPO radical. Tetrahedron Letters, 2004, 45, 4249-4251.	1.4	27
63	Fluorous biphasic hydrolytic kinetic resolution of terminal epoxides. Journal of Fluorine Chemistry, 2004, 125, 175-180.	1.7	35
64	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
65	Chiral Fluorous Phosphorus Ligands Based on the Binaphthyl Skeleton: Synthesis and Applications in Asymmetric Catalysis.. ChemInform, 2003, 34, no.	0.0	0
66	Chiral fluorous phosphorus ligands based on the binaphthyl skeleton: synthesis and applications in asymmetric catalysis. Tetrahedron: Asymmetry, 2003, 14, 2215-2224.	1.8	44
67	Fluorous biphasic oxidation of sulfides catalysed by (salen)manganese(III) complexes. Journal of Molecular Catalysis A, 2003, 204-205, 433-441.	4.8	33
68	Highly Luminescent Eu3+and Tb3+Macrocyclic Complexes Bearing an Appended Phenanthroline Chromophore. Inorganic Chemistry, 2002, 41, 2777-2784.	4.0	105
69	Chiral fluorous catalysts: synthesis and purposes. Journal of Molecular Catalysis A, 2002, 182-183, 455-461.	4.8	15
70	Hydrolytic kinetic resolution of terminal epoxides catalyzed by fluorous chiral Co(salen) complexes. Tetrahedron, 2002, 58, 3943-3949.	1.9	70
71	Palladium-catalysed asymmetric allylic alkylation in the presence of a chiral â€˜light fluorousâ€™ phosphine ligand. Chemical Communications, 2001, , 1220-1221.	4.1	36
72	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

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73	Copper-catalyzed aerobic oxidation of alcohols under fluorous biphasic conditions. Tetrahedron Letters, 2000, 41, 4343-4346.	1.4	221
74	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
75	Second-generation fluorous chiral (salen) manganese complexes. Chemical Communications, 2000, , 2171-2172.	4.1	52
76	Synthesis of perfluoroalkylated bipyridines â€" New ligands for oxidation reactions under fluorous triphasic conditions. Tetrahedron Letters, 1999, 40, 3647-3650.	1.4	64
77	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
78	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
79	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
80	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
81	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