

Giacomo Bergamini

List of Publications by Year in descending order

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110
papers

5,027
citations

136885

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123376

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121
docs citations

121
times ranked

6929
citing authors

#	ARTICLE	IF	CITATIONS
1	Diastereoselective and enantioselective photoredox pinacol coupling promoted by titanium complexes with a red-absorbing organic dye. <i>Chemical Science</i> , 2022, 13, 5973-5981.	3.7	26
2	Nanorod Photocatalysts for C=O Cross-Coupling Reactions. <i>ChemCatChem</i> , 2022, 14, .	1.8	5
3	Photoredox Allylation Reactions Mediated by Bismuth in Aqueous Conditions. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1624-1627.	1.2	15
4	Photoredox Propargylation of Aldehydes Catalytic in Titanium. <i>Journal of Organic Chemistry</i> , 2021, 86, 7002-7009.	1.7	18
5	Giant Shape-Persistent Tetrahedral Porphyrin System: Light-Induced Charge Separation. <i>Chemistry - A European Journal</i> , 2021, 27, 16250-16259.	1.7	4
6	Zirconium Metal-Organic Frameworks Containing a Biselenophene Linker: Synthesis, Characterization, and Luminescent Properties. <i>Inorganic Chemistry</i> , 2020, 59, 15832-15841.	1.9	8
7	Shining Light on Ti ^{IV} Complexes: Exceptional Tools for Metallaphotoredox Catalysis. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 6955-6965.	1.2	37
8	Towards Solar Factories: Prospects of Solar-to-Chemical Energy Conversion using Colloidal Semiconductor Photosynthetic Systems. <i>ChemSusChem</i> , 2020, 13, 4894-4899.	3.6	9
9	Highly Emissive Water-Soluble Polysulfurated Pyrene-Based Chromophores as Dual Mode Sensors of Metal Ions. <i>ChemPlusChem</i> , 2020, 85, 1481-1486.	1.3	3
10	Cp ₂ TiCl ₂ -Catalyzed Photoredox Allylation of Aldehydes with Visible Light. <i>ACS Catalysis</i> , 2020, 10, 3857-3863.	5.5	55
11	Photosynthetic H ₂ generation and organic transformations with CdSe@CdS-Pt nanorods for highly efficient solar-to-chemical energy conversion. <i>Nano Energy</i> , 2020, 70, 104510.	8.2	34
12	Benzothiazolium-functionalized NU-1000: a versatile material for carbon dioxide adsorption and cyanide luminescence sensing. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7492-7500.	2.7	22
13	Photocontrolled self-assembly of azobenzene nanocontainers in water: light-triggered uptake and release of lipophilic molecules. <i>Chemical Communications</i> , 2019, 55, 11860-11863.	2.2	8
14	Nanostructuring Iridium Complexes into Crystalline Phosphorescent Nanoparticles: Structural Characterization, Photophysics, and Biological Applications. <i>ACS Applied Bio Materials</i> , 2019, 2, 4594-4603.	2.3	3
15	Hematite nanostructures: An old material for a new story. Simultaneous photoelectrochemical oxidation of benzylamine and hydrogen production through Ti doping. <i>Nano Energy</i> , 2019, 61, 36-46.	8.2	46
16	A turn-on phosphorescent sensor of Pb ²⁺ in water by the formation of a coordination polymer. <i>Dalton Transactions</i> , 2019, 48, 3815-3818.	1.6	23
17	One- and two-photon absorption properties of quadrupolar thiophene-based dyes with acceptors of varying strengths. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 2180-2190.	1.6	16
18	Laser Inscription of Microfluidic Devices in the Bulk of Fused Silica. , 2019, , .		0

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19	Laser-Inscribed Glass Microfluidic Device for Non-Mixing Flow of Miscible Solvents. <i>Micromachines</i> , 2019, 10, 23.	1.4	14
20	Divergent Terpyridine-Based Coordination for the Construction of Photoactive Supramolecular Structures. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 577-584.	1.0	17
21	Controlling the Functional Properties of Oligothiophene Crystalline Nano/Microfibers via Tailoring of the Self-Assembling Molecular Precursors. <i>Advanced Functional Materials</i> , 2018, 28, 1801946.	7.8	21
22	Self-Assembly and Exfoliation of a Molecular Solid Based on Cooperative B ⁺ N and Hydrogen Bonds. <i>Crystal Growth and Design</i> , 2018, 18, 7259-7263.	1.4	9
23	Dendronised diazapyrenium derivatives: host-guest complexes in aqueous solution. <i>New Journal of Chemistry</i> , 2018, 42, 16193-16199.	1.4	1
24	Metal complexes and nanoparticles for energy upconversion. <i>Dalton Transactions</i> , 2018, 47, 8507-8508.	1.6	2
25	Rigidification or interaction-induced phosphorescence of organic molecules. <i>Chemical Communications</i> , 2017, 53, 2081-2093.	2.2	298
26	Poly(3-hexylthiophene) Nanoparticles Containing Thiophene-S ₂ -dioxide: Tuning of Dimensions, Optical and Redox Properties, and Charge Separation under Illumination. <i>ACS Nano</i> , 2017, 11, 1991-1999.	7.3	31
27	Hierarchical Growth of Supramolecular Structures Driven by Pimerization of Tetrahedrally Arranged Bipyridinium Units. <i>Chemistry - A European Journal</i> , 2017, 23, 6380-6390.	1.7	14
28	Bright Long-Lived Luminescence of Silicon Nanocrystals Sensitized by Two-Photon Absorbing Antenna. <i>CheM</i> , 2017, 2, 550-560.	5.8	25
29	Tailoring Colors by O Annulation of Polycyclic Aromatic Hydrocarbons. <i>Chemistry - A European Journal</i> , 2017, 23, 2363-2378.	1.7	55
30	Azobenzene: A Photoactive Building Block for Supramolecular Architectures. <i>Chemical Record</i> , 2017, 17, 700-712.	2.9	24
31	Photoredox Catalysis: The Need to Elucidate the Photochemical Mechanism. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12820-12821.	7.2	66
32	Photoredox Catalysis: The Need to Elucidate the Photochemical Mechanism. <i>Angewandte Chemie</i> , 2017, 129, 12996-12997.	1.6	23
33	Photochemistry and photocatalysis. <i>Rendiconti Lincei</i> , 2017, 28, 125-142.	1.0	33
34	Photoinduced Electron-Transfer Quenching of Luminescent Silicon Nanocrystals as a Way To Estimate the Position of the Conduction and Valence Bands by Marcus Theory. <i>Chemistry of Materials</i> , 2016, 28, 6664-6671.	3.2	21
35	Light-Harvesting Antennae Based on Silicon Nanocrystals. <i>Topics in Current Chemistry</i> , 2016, 374, 53.	3.0	12
36	Photophysical Characterization and Recognition Behaviour of a Bis(dansylated) Polyoxometalate. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3405-3410.	1.0	7

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37	Light: A Very Peculiar Reactant and Product. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11320-11337.	7.2	106
38	Photoinduced Processes between Pyrene-Functionalized Silicon Nanocrystals and Carbon Allotropes. <i>Chemistry of Materials</i> , 2015, 27, 4390-4397.	3.2	25
39	Molecular Size and Electronic Structure Combined Effects on the Electrogenerated Chemiluminescence of Sulfurated Pyrene-Cored Dendrimers. <i>Chemistry - A European Journal</i> , 2015, 21, 2936-2947.	1.7	31
40	Uniform Functionalization of High-Quality Graphene with Platinum Nanoparticles for Electrocatalytic Water Reduction. <i>ChemistryOpen</i> , 2015, 4, 268-273.	0.9	12
41	Heteroleptic Ru(II)-terpyridine complex and its metal-containing conducting polymer: Synthesis and characterization. <i>Synthetic Metals</i> , 2015, 200, 109-116.	2.1	5
42	Lanthanide Terpyridine-Based Assemblies: Towards Dual Luminescent Probes. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 251-255.	1.3	3
43	Photoinduced reversible switching of porosity in molecular crystals based on star-shaped azobenzene tetramers. <i>Nature Chemistry</i> , 2015, 7, 634-640.	6.6	229
44	Light-harvesting antennae based on photoactive silicon nanocrystals functionalized with porphyrin chromophores. <i>Faraday Discussions</i> , 2015, 185, 481-495.	1.6	27
45	New biocompatible polymeric micelles designed for efficient intracellular uptake and delivery. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8963-8972.	2.9	4
46	Synthesis, Stability and Sensitised Lanthanide Luminescence of Heterobimetallic d/f Terpyridine Complexes. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 414-420.	1.0	14
47	Bispidines for Dual Imaging. <i>Chemistry - A European Journal</i> , 2014, 20, 17011-17018.	1.7	31
48	Polymorphism in Crystalline Microfibers of Achiral Octithiophene: The Effect on Charge Transport, Supramolecular Chirality and Optical Properties. <i>Advanced Functional Materials</i> , 2014, 24, 4943-4951.	7.8	21
49	A Highly Luminescent Tetramer from a Weakly Emitting Monomer: Acid- and Redox-Controlled Multiple Complexation by Cucurbit[7]uril. <i>Chemistry - A European Journal</i> , 2014, 20, 7054-7060.	1.7	12
50	Synthesis and Electronic Properties of 1,2-Hemisquarimines and Their Encapsulation in a Cucurbit[7]uril Host. <i>Chemistry - A European Journal</i> , 2014, 20, 6412-6420.	1.7	4
51	Luminescent multi-terpyridine ligands: towards 2D polymer formation in solution. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 997-1004.	1.6	11
52	Turn-on Phosphorescence by Metal Coordination to a Multivalent Terpyridine Ligand: A New Paradigm for Luminescent Sensors. <i>Journal of the American Chemical Society</i> , 2014, 136, 6395-6400.	6.6	223
53	Blue and highly emitting [Ir(IV)] complexes by an efficient photoreaction of yellow luminescent [Ir(III)] complexes. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4461.	2.7	7
54	Conductive PEDOT Covalently Bound to Transparent FTO Electrodes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 16782-16790.	1.5	27

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55	Synthesis of Two-Dimensional Analogues of Copolymers by Site-to-Site Transmetalation of Organometallic Monolayer Sheets. <i>Journal of the American Chemical Society</i> , 2014, 136, 6103-6110.	6.6	128
56	Synthesis, Characterization, and Metal Ion Coordination of a Multichromophoric Highly Luminescent Polysulfurated Pyrene. <i>Chemistry - A European Journal</i> , 2014, 20, 10661-10668.	1.7	15
57	A tailored RAFT copolymer for the dispersion of single walled carbon nanotubes in aqueous media. <i>Polymer Chemistry</i> , 2014, 5, 6148-6150.	1.9	11
58	Silicon Nanocrystals Functionalized with Pyrene Units: Efficient Light-Harvesting Antennae with Bright Near-Infrared Emission. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3325-3329.	2.1	54
59	Molecular asterisks with a persulfurated benzene core are among the strongest organic phosphorescent emitters in the solid state. <i>Dyes and Pigments</i> , 2014, 110, 113-122.	2.0	76
60	Photoactive Dendrimer for Water Photoreduction: A Scaffold to Combine Sensitizers and Catalysts. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 798-803.	2.1	20
61	A Strongly Emitting Liquid-Crystalline Derivative of Y ₃ N@C ₈₀ : Bright and Long-Lived Near-IR Luminescence from a Charge Transfer State. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12303-12307.	7.2	21
62	Self-assembly of nanocrystalline tetra-terpyridine complexes: from molecules to mesoscopic objects. <i>Soft Matter</i> , 2013, 9, 10754.	1.2	11
63	A persulfurated benzene molecule exhibits outstanding phosphorescence in rigid environments: from computational study to organic nanocrystals and OLED applications. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2717.	2.7	118
64	Dendrimers as Nd ³⁺ ligands: Effect of Generation on the Efficiency of the Sensitized Lanthanide Emission. <i>Chemistry - an Asian Journal</i> , 2013, 8, 771-777.	1.7	18
65	Diazapyrenium cored dendrimers: electron poor guests for a molecular cliphost. <i>New Journal of Chemistry</i> , 2012, 36, 354-359.	1.4	4
66	Photoswitchable Metal Coordinating Tweezers Operated by Light-Harvesting Dendrimers. <i>Journal of the American Chemical Society</i> , 2012, 134, 15277-15280.	6.6	59
67	Luminescent Dendrimers. , 2012, , 155-175.		1
68	Amide-Functionalized Bis(NHC) Systems: Anion Effect on Gold-Gold Interactions. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3892-3898.	1.0	23
69	Easy Separation of ¹ and ² Isomers of Highly Luminescent [Ir ^{III}]-Cyclometalated Complexes Based on Chiral Phenol-Oxazoline Ancillary Ligands. <i>Chemistry - A European Journal</i> , 2012, 18, 8765-8773.	1.7	61
70	Evaluation of phototoxicity of dendritic porphyrin-based phosphorescent oxygen probes: an in vitro study. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1056-1065.	1.6	37
71	A multichromophoric dendrimer: from synthesis to energy up-conversion in a rigid matrix. <i>Chemical Communications</i> , 2011, 47, 12780.	2.2	50
72	A molecular clip throws new light on the complexes formed by a family of cyclam-cored dendrimers with Zn(II) ions. Efficient energy transfer in the heteroleptic complexes. <i>Dalton Transactions</i> , 2011, 40, 1356-1364.	1.6	8

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73	Ru ²⁺ complexes comprising terpyridine ligands appended with terthiophene chromophores: energy transfer and energy reservoir effect. <i>Chemical Communications</i> , 2011, 47, 3413.	2.2	17
74	Photochemistry and photophysics of metal complexes with dendritic ligands. <i>Advances in Inorganic Chemistry</i> , 2011, , 105-135.	0.4	10
75	Metal ion complexes of cyclam-cored dendrimers for molecular photonics. <i>Coordination Chemistry Reviews</i> , 2011, 255, 2458-2468.	9.5	33
76	Designing light harvesting antennas by luminescent dendrimers. <i>New Journal of Chemistry</i> , 2011, 35, 1944.	1.4	71
77	Terthiophene Appended with Terpyridine Units as Receptors for Protons and Zn ²⁺ Ions: Photoinduced Energy and Electron Transfer Processes. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4590-4595.	1.0	9
78	Cyclam-Cored Dendrimers Appended with Four Dendrons of Two Different Types: Intradendrimer Energy Transfer. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1884-1895.	1.7	8
79	Luminescent Dendrimers as Ligands and Sensors of Metal Ions. <i>Springer Series on Fluorescence</i> , 2010, , 253-284.	0.8	10
80	Metal ion driven formation of a light-harvesting antenna investigated by sensitized luminescence and fluorescence anisotropy. <i>Chemical Communications</i> , 2010, 46, 3571.	2.2	12
81	Adducts between Dansylated Poly(propylene amine) Dendrimers and Anthracene Clips Mediated by Zn ^{II} Ions: Highly Efficient Photoinduced Energy Transfer. <i>Chemistry - A European Journal</i> , 2009, 15, 7876-7882.	1.7	16
82	Dendrimers with a Pentaphenylene Core: A Photophysical Study. <i>ChemPhysChem</i> , 2009, 10, 265-269.	1.0	5
83	Old Molecules, New Concepts: [Ru(bpy) ₃] ²⁺ as a Molecular Encoder-Decoder. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8516-8518.	7.2	132
84	Light-powered Molecular Devices and Machines. , 2009, , 131-158.		3
85	From the photochemistry of coordination compounds to light-powered nanoscale devices and machines. <i>Coordination Chemistry Reviews</i> , 2008, 252, 2456-2469.	9.5	109
86	Azacrown Ethers with Naphthyl Branches. Fluorescence Properties, Protonation and Metal Coordination. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2008, 18, 189-194.	1.9	7
87	Polysulfurated Pyrene-Cored Dendrimers: Luminescent and Electrochromic Properties. <i>Chemistry - A European Journal</i> , 2008, 14, 10357-10363.	1.7	65
88	A fluorescent guest encapsulated by a photoreactive azobenzene dendrimer. <i>New Journal of Chemistry</i> , 2008, 32, 401.	1.4	28
89	Mechanisms for Fluorescence Depolarization in Dendrimers. <i>Journal of Physical Chemistry B</i> , 2007, 111, 6620-6627.	1.2	20
90	Synthesis of small gold nanoparticles: Au(I) disproportionation catalyzed by a persulfurated coronene dendrimer. <i>Chemical Communications</i> , 2007, , 4167.	2.2	27

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91	Photochemistry and Photophysics of Coordination Compounds: Overview and General Concepts. , 2007, , 1-36.		149
92	First generation TREN dendrimers functionalized with naphthyl and/or dansyl units. Ground and excited state electronic interactions and protonation effects. Photochemical and Photobiological Sciences, 2007, 6, 471-479.	1.6	14
93	Photoswitchable Dendritic Hosts: A Dendrimer with Peripheral Azobenzene Groups. Journal of the American Chemical Society, 2007, 129, 10714-10719.	6.6	128
94	Electronic spectroscopy of metal complexes with dendritic ligands. Coordination Chemistry Reviews, 2007, 251, 525-535.	9.5	70
95	Cyclam cored luminescent dendrimers as ligands for Co(II), Ni(II) and Cu(II) ions. Inorganica Chimica Acta, 2007, 360, 1043-1051.	1.2	15
96	Heteroleptic Cu(I) complexes containing phenanthroline-type and 1,1'-bis(diphenylphosphino)ferrocene ligands: Structure and electronic properties. Inorganica Chimica Acta, 2007, 360, 1032-1042.	1.2	67
97	Photochemistry and Photophysics of Coordination Compounds: Ruthenium. , 2007, , 117-214.		703
98	Ru(II)-bipyridine complexes in supramolecular systems, devices and machines. Coordination Chemistry Reviews, 2006, 250, 1254-1266.	9.5	254
99	Visualizing spatial and temporal heterogeneity of single molecule rotational diffusion in a glassy polymer by defocused wide-field imaging. Polymer, 2006, 47, 2511-2518.	1.8	130
100	Azobenzene-bridged calix[8]arenes. Tetrahedron Letters, 2006, 47, 7809-7813.	0.7	5
101	A Cyclam Core Dendrimer Containing Dansyl and Oligoethylene Glycol Chains in the Branches: Protonation and Metal Coordination. Chemistry - A European Journal, 2006, 12, 8926-8934.	1.7	25
102	A Photophysical Study of Terphenyl Core Oligosulfonimide Dendrimers Exhibiting High Steady-State Anisotropy. ChemPhysChem, 2006, 7, 1980-1984.	1.0	10
103	Luminescence as a tool to investigate dendrimer properties. Progress in Polymer Science, 2005, 30, 453-473.	11.8	124
104	A Pentaporphyrin as a Switching Device Activated by Proton and Redox Stimuli. ChemPhysChem, 2005, 6, 2120-2128.	1.0	1
105	Dendrimers based on a bis-cyclam core as fluorescence sensors for metal ions. Journal of Materials Chemistry, 2005, 15, 2959.	6.7	36
106	Designing Systems for a Multiple Use of Light Signals. ChemPhysChem, 2004, 5, 315-320.	1.0	16
107	Proton-Driven Self-Assembled Systems Based on Cyclam-Cored Dendrimers and [Ru(bpy)(CN) ₄] ²⁻ . Journal of the American Chemical Society, 2004, 126, 16466-16471.	6.6	79
108	Forward (singlet \rightarrow singlet) and backward (triplet \rightarrow triplet) energy transfer in a dendrimer with peripheral naphthalene units and a benzophenone core. Photochemical and Photobiological Sciences, 2004, 3, 898-905.	1.6	41

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109	Towards Solar Factories: Highly Efficient Photocatalytic H ₂ Generation and Organic Transformations. , 0, , .		0
110	Towards Solar Factories: Photosynthetic H ₂ Generation and Organic Transformations for Highly Efficient Solar-to-Chemical Energy Conversion. , 0, , .		0