

Cyrille Monnereau

List of Publications by Year in descending order

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74
papers

1,707
citations

279487

23
h-index

315357

38
g-index

87
all docs

87
docs citations

87
times ranked

2425
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of Threading a Polymer Through a Macrocyclic Ring. <i>Science</i> , 2008, 322, 1668-1671.	6.0	110
2	Expanding the Polymethine Paradigm: Evidence for the Contribution of a Bis-Dipolar Electronic Structure. <i>Journal of Physical Chemistry A</i> , 2014, 118, 4038-4047.	1.1	91
3	Porphyrin Macrocyclic Catalysts for the Processive Oxidation of Polymer Substrates. <i>Journal of the American Chemical Society</i> , 2010, 132, 1529-1531.	6.6	88
4	Visible-Light-Mediated Metal-Free Synthesis of Trifluoromethylselenolated Arenes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11781-11785.	7.2	78
5	A water soluble probe with near infrared two-photon absorption and polarity-induced fluorescence for cerebral vascular imaging. <i>Chemical Science</i> , 2013, 4, 2833.	3.7	70
6	Visible-light promoted fluoroalkylselenolation: toward the reactivity of unsaturated compounds. <i>Chemical Communications</i> , 2018, 54, 9909-9912.	2.2	63
7	State-Selective Electron Transfer in an Unsymmetric Acceptor ⁺ Zn(II)porphyrin ⁻ Acceptor Triad: Toward a Controlled Directionality of Electron Transfer from the Porphyrin S ₂ and S ₁ States as a Basis for a Molecular Switch. <i>Journal of Physical Chemistry A</i> , 2010, 114, 1709-1721.	1.1	62
8	Photoinduced Electron Transfer in Platinum(II) Terpyridinyl Acetylide Complexes Connected to a Porphyrin Unit. <i>Inorganic Chemistry</i> , 2005, 44, 4806-4817.	1.9	59
9	Nanocarriers with ultrahigh chromophore loading for fluorescence bio-imaging and photodynamic therapy. <i>Biomaterials</i> , 2013, 34, 8344-8351.	5.7	58
10	Keto-polymethines: a versatile class of dyes with outstanding spectroscopic properties for in cellulose and in vivo two-photon microscopy imaging. <i>Chemical Science</i> , 2017, 8, 381-394.	3.7	43
11	An improved singlet oxygen sensitizer with two-photon absorption and emission in the biological transparency window as a result of ground state symmetry-breaking. <i>Chemical Communications</i> , 2012, 48, 1689-1691.	2.2	41
12	A cheap and efficient method for selective para-iodination of aniline derivatives. <i>Tetrahedron Letters</i> , 2005, 46, 5421-5423.	0.7	38
13	Biocompatible well-defined chromophore-polymer conjugates for photodynamic therapy and two-photon imaging. <i>Polymer Chemistry</i> , 2013, 4, 61-67.	1.9	38
14	Metal-Free Visible-Light Synthesis of Arylsulfonyl Fluorides: Scope and Mechanism. <i>Chemistry - A European Journal</i> , 2021, 27, 8704-8708.	1.7	37
15	Preparation and characterization of second order non-linear optical properties of new "push-pull" platinum complexes. <i>Dalton Transactions</i> , 2009, , 4538.	1.6	36
16	A "Multi-Heavy-Atom" Approach toward Biphotonic Photosensitizers with Improved Singlet-Oxygen Generation Properties. <i>Chemistry - A European Journal</i> , 2019, 25, 9026-9034.	1.7	34
17	Fluoroalkylselenolation of Alkyl Silanes/Trifluoroborates under Metal-Free Visible-Light Photoredox Catalysis. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1559-1566.	1.2	31
18	Polymerization Photoinitiators with Near-Resonance Enhanced Two-Photon Absorption Cross-Section: Toward High-Resolution Photoresist with Improved Sensitivity. <i>Macromolecules</i> , 2020, 53, 9264-9278.	2.2	29

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19	Remarkable Effect of Iridium Cyclometalation on the Nonlinear Absorption Properties of a Quadrupolar Imine Ligand. <i>Inorganic Chemistry</i> , 2013, 52, 10705-10707.	1.9	28
20	Synthesis of new crosslinkable co-polymers containing a push-pull zinc porphyrin for non-linear optical applications. <i>Tetrahedron</i> , 2005, 61, 10113-10121.	1.0	27
21	Photocatalysis Meets Magnetism: Designing Magnetically Recoverable Supports for Visible-Light Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 24895-24904.	4.0	26
22	Interactions of a biocompatible water-soluble anthracenyl polymer derivative with double-stranded DNA. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 30318-30327.	1.3	24
23	Two-Photon Fluorescence and Magnetic Resonance Specific Imaging of A β Amyloid Using Hybrid Nano-GdF ₃ Contrast Media. <i>ACS Applied Bio Materials</i> , 2018, 1, 462-472.	2.3	24
24	Helicenic Complexes of Lanthanides: Influence of the f-Element on the Intersystem Crossing Efficiency and Competition between Luminescence and Oxygen Sensitization. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 118-125.	1.0	24
25	Synthesis and First Studies of the Host-Guest and Substrate Recognition Properties of a Porphyrin-Tethered Calix[6]arene Ditopic Ligand. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 166-175.	1.2	23
26	Intriguing Effects of Halogen Substitution on the Photophysical Properties of 2,9-(Bis)halo-Substituted Phenanthrolinecopper(I) Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 7730-7745.	1.9	23
27	Water-soluble chromophores with star-shaped oligomeric arms: synthesis, spectroscopic studies and first results in bio-imaging and cell death induction. <i>New Journal of Chemistry</i> , 2012, 36, 2328.	1.4	22
28	Unravelling the Binding Mechanism of a Poly(cationic) Anthracenyl Fluorescent Probe with High Affinity toward Double-Stranded DNA. <i>Biomacromolecules</i> , 2016, 17, 3609-3618.	2.6	22
29	Tailoring the Reactivity of the Langlois Reagent and Styrenes with Cyanoarenes Organophotocatalysts under Visible-Light. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 139-148.	2.1	22
30	Specific Recognition of G-Quadruplexes Over Duplex-DNA by a Macromolecular NIR Two-Photon Fluorescent Probe. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5915-5920.	2.1	21
31	Photoinduced Electron Transfer in Zn(II)porphyrin-Bridge-Pt(II)acetylide Complexes: Variation in Rate with Anchoring Group and Position of the Bridge. <i>Inorganic Chemistry</i> , 2010, 49, 9823-9832.	1.9	20
32	Influence of bromine substitution pattern on the singlet oxygen generation efficiency of two-photon absorbing chromophores. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 6275.	1.5	20
33	A Fluorescent Polymer Probe with High Selectivity toward Vascular Endothelial Cells for and beyond Noninvasive Two-Photon Intravital Imaging of Brain Vasculature. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 17047-17059.	4.0	20
34	Access to cyclic gem-difluoroacyl scaffolds via electrochemical and visible light photocatalytic radical tandem cyclization of heteroaryl chlorodifluoromethyl ketones. <i>Chemical Communications</i> , 2017, 53, 5653-5656.	2.2	19
35	Mild and efficient bromination of poly(hydroxyethyl acrylate) and its use towards ionic-liquid containing polymers. <i>Polymer Chemistry</i> , 2012, 3, 2723.	1.9	18
36	Carbazole-Substituted Iridium Complex as a Solid State Emitter for Two-Photon Intravital Imaging. <i>Inorganic Chemistry</i> , 2016, 55, 9586-9595.	1.9	18

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37	A combined theoretical and experimental investigation on the influence of the bromine substitution pattern on the photophysics of conjugated organic chromophores. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 3768-3783.	1.3	17
38	Reevaluating the Solution Photophysics of Tetraphenylethylene at the Origin of their Aggregation-Induced Emission Properties. <i>Chemistry - A European Journal</i> , 2021, 27, 8003-8007.	1.7	17
39	Permanent light-induced polar orientation via all-optical poling and photothermal cross-linking in a polymer thin film. <i>Optics Communications</i> , 2006, 260, 708-711.	1.0	16
40	Theoretical and Experimental Study on Boron Diketonate Complexes with Intense Two-Photon-Induced Fluorescence in Solution and in the Solid State. <i>ChemPhysChem</i> , 2016, 17, 2128-2136.	1.0	16
41	Study of the cross-linking mechanism of a copolymer containing an electrooptic chromophore. <i>Journal of Physical Organic Chemistry</i> , 2005, 18, 1050-1058.	0.9	15
42	Two-Photon Photosensitizer-Polymer Conjugates for Combined Cancer Cell Death Induction and Two-Photon Fluorescence Imaging: Structure/Photodynamic Therapy Efficiency Relationship. <i>Biomacromolecules</i> , 2017, 18, 4022-4033.	2.6	15
43	Poly(ionic liquid)s with controlled architectures and their use in the making of ionogels with high conductivity and tunable rheological properties. <i>Polymer Chemistry</i> , 2016, 7, 6608-6616.	1.9	14
44	Forging SeCF ₃ Bonds with Trifluoromethyl Toluene selenosulfonate under Visible Light. <i>Chemical Record</i> , 2021, 21, 417-426.	2.9	13
45	Nitration of benzothioxanthene: towards a new class of dyes with versatile photophysical properties. <i>New Journal of Chemistry</i> , 2020, 44, 900-905.	1.4	12
46	Two-Photon Absorbing AIEgens: Influence of Stereoconfiguration on Their Crystallinity and Spectroscopic Properties and Applications in Bioimaging. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55157-55168.	4.0	12
47	Au nanobipyramids@mSiO ₂ core-shell nanoparticles for plasmon-enhanced singlet oxygen photooxygenations in segmented flow microreactors. <i>Nanoscale Advances</i> , 2020, 2, 5280-5287.	2.2	12
48	Neutral heteroleptic cyclometallated Platinum(II) complexes featuring 2-phenylbenzimidazole ligand as bright emitters in solid state and in solution. <i>Dyes and Pigments</i> , 2019, 162, 967-977.	2.0	11
49	Theoretical and experimental investigation on the intersystem crossing kinetics in benzothioxanthene imide luminophores, and their dependence on substituent effects. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 12373-12381.	1.3	11
50	Light-induced <i>in situ</i> chemical activation of a fluorescent probe for monitoring intracellular G-quadruplex structures. <i>Nanoscale</i> , 2021, 13, 13795-13808.	2.8	11
51	Two-Photon Macromolecular Probe Based on a Quadrupolar Anthracenyl Scaffold for Sensitive Recognition of Serum Proteins under Simulated Physiological Conditions. <i>ACS Omega</i> , 2017, 2, 5715-5725.	1.6	10
52	Understanding and overcoming proximity effects in multi-spot two-photon direct laser writing. <i>Additive Manufacturing</i> , 2022, 49, 102491.	1.7	10
53	Two-photon controlled sol-gel condensation for the microfabrication of silica based microstructures. The role of photoacids and photobases. <i>RSC Advances</i> , 2017, 7, 46615-46620.	1.7	9
54	Regioselective Monohalogenation and Homo/Hetero Dihalogenation of Benzothioxanthene Monoimide. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 2140-2145.	1.2	9

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55	Fluorescent gold nanoparticles with chain-end grafted RAFT copolymers: influence of the polymer molecular weight and type of chromophore. <i>Polymer Chemistry</i> , 2016, 7, 6812-6825.	1.9	8
56	Design of polyazamacrocyclic Gd ³⁺ theranostic agents combining magnetic resonance imaging and two-photon photodynamic therapy. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2213-2224.	3.0	8
57	Exploring the Concept of Dimerization-Induced Intersystem Crossing: At the Origins of Spin-Orbit Coupling Selection Rules. <i>Journal of Physical Chemistry B</i> , 2021, 125, 8572-8580.	1.2	8
58	Mediating Gel Formation from Structurally Controlled Poly(Electrolytes) Through Multiple "Head-to-Body" Electrostatic Interactions. <i>Macromolecular Rapid Communications</i> , 2015, 36, 55-59.	2.0	7
59	Distributed Feedback Lasing in Amorphous Polymers with Covalently Bonded Fluorescent Dyes: The Influence of Photoisomerization Process. <i>Macromolecules</i> , 2017, 50, 6164-6173.	2.2	7
60	Photophysical insights on the influence of excited states reorganization processes on the visible and near infra-red luminescence of two-photon quadrupolar chromophores. <i>Dyes and Pigments</i> , 2018, 159, 352-366.	2.0	6
61	Thiochromenocarbazole imide: a new organic dye with first utility in large area flexible electroluminescent devices. <i>Materials Chemistry Frontiers</i> , 2022, 6, 1912-1919.	3.2	6
62	Determination of Photoinduced Radical Generation Quantum Efficiencies by Combining Chemical Actinometry and ¹⁹ F NMR Spectroscopy. <i>Analytical Chemistry</i> , 2021, 93, 2926-2932.	3.2	5
63	Influence of Polymer Charge on the Localization and Dark- and Photo-Induced Toxicity of a Potential Type I Photosensitizer in Cancer Cell Models. <i>Molecules</i> , 2020, 25, 1127.	1.7	4
64	An Optical Power Limiting and Ultrafast Photophysics Investigation of a Series of Multi-Branched Heavy Atom Substituted Fluorene Molecules. <i>Inorganics</i> , 2019, 7, 126.	1.2	3
65	Two-photon absorbing chromophores for photodynamic therapy: molecular engineering and in vivo applications. , 2011, , .		2
66	Assembly of Aggregation-Induced Emission Active Bola-Amphiphilic Macromolecules into Luminescent Nanoparticles Optimized for Two-Photon Microscopy In Vivo. <i>Biomacromolecules</i> , 2022, 23, 2485-2495.	2.6	2
67	Polymer poling characterization using second harmonic generation (SHG). , 2006, 6192, 475.		1
68	On the versatility of electronic structures in polymethine dyes. , 2014, , .		1
69	Theoretical and Experimental Study on Boron ¹² -Diketonate Complexes with Intense Two-Photon-Induced Fluorescence in Solution and in the Solid State. <i>ChemPhysChem</i> , 2016, 17, 2107-2107.	1.0	1
70	3D printing of natural organic materials by photochemistry. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
71	A Cheap and Efficient Method for Selective para-Iodination of Aniline Derivatives.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
72	Two photon photosensitizers for PDT: molecular engineering towards understanding of their excited state photophysics. , 2012, , .		0

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73	Ion pairing controls rheological properties of "processionary" polyelectrolyte hydrogels. <i>Soft Matter</i> , 2016, 12, 9749-9758.	1.2	0
74	Structural enhancement of two-photon sensitizers for photodynamic therapy. <i>SPIE Newsroom</i> , 0, , .	0.1	0