

# Philippe P LainÃ©

## List of Publications by Year in descending order

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39  
papers

1,416  
citations

304602

22  
h-index

315616

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docs citations

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times ranked

1703  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in electrochemistry of pyridinium-based electrophores: A structronic approach. <i>Current Opinion in Electrochemistry</i> , 2022, 34, 100996.	2.5	1
2	Environmental Control of Single-Molecule Junction Evolution and Conductance: A Case Study of Expanded Pyridinium Wiring. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4732-4739.	7.2	8
3	Environmental Control of Single-Molecule Junction Evolution and Conductance: A Case Study of Expanded Pyridinium Wiring. <i>Angewandte Chemie</i> , 2021, 133, 4782-4789.	1.6	2
4	On the Supra-LUMO Interaction: Case Study of a Sudden Change of Electronic Structure as a Functional Emergence. <i>Chemistry - A European Journal</i> , 2021, 27, 17889-17899.	1.7	3
5	Triangulenium dyes: the comprehensive photo-absorption and emission story of a versatile family of chromophores. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 20673-20684.	1.3	5
6	Electron Storage System Based on a Two-Way Inversion of Redox Potentials. <i>Journal of the American Chemical Society</i> , 2020, 142, 5162-5176.	6.6	17
7	Designing expanded bipyridinium as redox and optical probes for DNA. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 105-113.	1.6	4
8	Photoinduced Intercomponent Processes in Selectively Addressable Bichromophoric Dyads Made of Linearly Arranged Ru(II) Terpyridine and Expanded Pyridinium Components. <i>Inorganic Chemistry</i> , 2019, 58, 5807-5817.	1.9	20
9	Correlation of electrochemical properties of expanded pyridinium compounds with their single molecule conductance. <i>Electrochimica Acta</i> , 2018, 264, 301-311.	2.6	12
10	Challenging the [Ru(bpy) <sub>3</sub> ] <sup>2+</sup> Photosensitizer with a Triazatriangulenium Robust Organic Dye for Visible-Light-Driven Hydrogen Production in Water. <i>ACS Catalysis</i> , 2018, 8, 3792-3802.	5.5	77
11	Adsorption of Expanded Pyridinium Molecules at the Electrified Interface and Its Effect on the Electron-Transfer Process. <i>Langmuir</i> , 2018, 34, 6405-6412.	1.6	2
12	Pyrimidyl-substituted anthracene fluorophores: Syntheses, absorption spectra, and photophysical properties. <i>Dyes and Pigments</i> , 2018, 159, 619-636.	2.0	3
13	Kinetics of Multielectron Transfers and Redox-Induced Structural Changes in <i>N</i> -Aryl-Expanded Pyridiniums: Establishing Their Unusual, Versatile Electrophoric Activity. <i>Journal of the American Chemical Society</i> , 2015, 137, 11349-11364.	6.6	29
14	Photoinduced electron transfer in donor-bridge-acceptor assemblies: The case of Os(II)-bis(terpyridine)-(bi)pyridinium dyads. <i>Coordination Chemistry Reviews</i> , 2015, 304-305, 109-116.	9.5	39
15	Molecular Dyads of Ruthenium(II) or Osmium(II) Bis(terpyridine) Chromophores and Expanded Pyridinium Acceptors: Equilibration between MLCT and Charge-Separated Excited States. <i>Inorganic Chemistry</i> , 2013, 52, 11944-11955.	1.9	26
16	A new versatile class of hetero-tetra-metallic assemblies: highlighting single-molecule magnet behaviour. <i>Chemical Communications</i> , 2013, 49, 9476.	2.2	36
17	Modeling Dye-Sensitized Solar Cells: From Theory to Experiment. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1044-1050.	2.1	104
18	Photoinduced Electron Transfer in Os(terpyridine)-biphenylene-(bi)pyridinium Assemblies. <i>Inorganic Chemistry</i> , 2012, 51, 5342-5352.	1.9	25

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19	Tictoid Expanded Pyridiniums: Assessing Structural, Electrochemical, Electronic, and Photophysical Features. <i>Journal of Physical Chemistry A</i> , 2012, 116, 7880-7891.	1.1	17
20	Single-Step versus Stepwise Two-Electron Reduction of Polyarylpyridiniums: Insights from the Steric Switching of Redox Potential Compression. <i>Journal of the American Chemical Society</i> , 2012, 134, 2691-2705.	6.6	30
21	Ruthenium(II) complexes with new large-surface ligands based on electron-accepting expanded pyridiniums: insights from density functional theory. <i>Theoretical Chemistry Accounts</i> , 2012, 131, 1.	0.5	1
22	Theoretical Procedure for Optimizing Dye-Sensitized Solar Cells: From Electronic Structure to Photovoltaic Efficiency. <i>Journal of the American Chemical Society</i> , 2011, 133, 8005-8013.	6.6	85
23	Photochemically driven intercalation of small molecules into DNA by in situ irradiation. <i>Chemical Communications</i> , 2010, 46, 5169.	2.2	30
24	Expanded Pyridiniums: Bis-cyclization of Branched Pyridiniums into Their Fused Polycyclic and Positively Charged Derivatives—Assessing the Impact of Pericondensation on Structural, Electrochemical, Electronic, and Photophysical Features. <i>Chemistry - A European Journal</i> , 2010, 16, 11047-11063.	1.7	46
25	Designing Multifunctional Expanded Pyridiniums: Properties of Branched and Fused Head-to-Tail Bipyridiniums. <i>Journal of the American Chemical Society</i> , 2010, 132, 16700-16713.	6.6	65
26	Theoretical Insights into Branched and Fused Expanded Pyridiniums by the Means of Density Functional Theory. <i>Journal of Physical Chemistry A</i> , 2010, 114, 8434-8443.	1.1	27
27	Intramolecular Spin Alignment within Mono-oxidized and Photoexcited Anthracene-Based $\pi$ Radicals as Prototypical Photomagnetic Molecular Devices: Relationships Between Electrochemical, Photophysical, and Photochemical Control Pathways. <i>Chemistry - A European Journal</i> , 2009, 15, 11210-11220.	1.7	20
28	Environmental effects on electronic absorption spectra using DFT: An organic and positively charged fused polycyclic chromophore as a case study. <i>Computational and Theoretical Chemistry</i> , 2009, 914, 94-99.	1.5	24
29	Conformationally gated photoinduced processes within photosensitizer-acceptor dyads based on ruthenium(II) and osmium(II) polypyridyl complexes with an appended pyridinium group. <i>Coordination Chemistry Reviews</i> , 2008, 252, 2552-2571.	9.5	104
30	Improving Visible Light Sensitization of Luminescent Europium Complexes. <i>Journal of Fluorescence</i> , 2008, 18, 119-129.	1.3	69
31	Reaching Optimal Light-Induced Intramolecular Spin Alignment within Photomagnetic Molecular Device Prototypes. <i>Chemistry - A European Journal</i> , 2008, 14, 11385-11405.	1.7	28
32	Intramolecular Spin Alignment in Photomagnetic Molecular Devices: A Theoretical Study. <i>Chemistry - A European Journal</i> , 2007, 13, 5360-5377.	1.7	44
33	Quantifying electron delocalization in orthogonal channels: Theoretical investigation of $\pi$ and $\pi$ aromaticity in $[C6I6]^{2+}$ and $[C6Cl6]^{2+}$ . <i>Chemical Physics Letters</i> , 2007, 435, 171-175.	1.2	14
34	Conformationally Gated Photoinduced Processes within Photosensitizer-Acceptor Dyads Based on Osmium(II) Complexes with Triarylpyridinio-Functionalized Terpyridyl Ligands: Insights from Theoretical Analysis. <i>Inorganic Chemistry</i> , 2006, 45, 5538-5551.	1.9	32
35	Conformationally Gated Photoinduced Processes within Photosensitizer-Acceptor Dyads Based on Osmium(II) Complexes with Triarylpyridinio-Functionalized Terpyridyl Ligands: Insights from Experimental Study. <i>Journal of the American Chemical Society</i> , 2006, 128, 7510-7521.	6.6	77
36	Theoretical modelling of photoactive molecular systems: insights using the Density Functional Theory. <i>Comptes Rendus Chimie</i> , 2006, 9, 226-239.	0.2	15

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37	Spectral properties of bipyridyl ligands by time-dependent density functional theory. <i>Chemical Physics Letters</i> , 2006, 417, 445-451.	1.2	22
38	Photoinduced Processes within Compact Dyads Based on Triphenylpyridinium-Functionalized Bipyridyl Complexes of Ruthenium(II). <i>Chemistry - A European Journal</i> , 2005, 11, 3711-3727.	1.7	43
39	Photoinduced Intramolecular Electron Transfer in Ruthenium and Osmium Polyads: Insights from Theory. <i>Journal of the American Chemical Society</i> , 2004, 126, 10763-10777.	6.6	210