

# Frédéric Paul

## List of Publications by Year in descending order

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66  
papers

2,555  
citations

236925

25  
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189892

50  
g-index

67  
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67  
docs citations

67  
times ranked

1832  
citing authors

#	ARTICLE	IF	CITATIONS
1	Organometallic molecular wires and other nanoscale-sized devices. <i>Coordination Chemistry Reviews</i> , 1998, 178-180, 431-509.	18.8	587
2	Bonding and Substituent Effects in Electron-Rich Mononuclear Ruthenium $\eta^5$ -Arylacetylides of the Formula $[(\eta^5\text{-C}_5\text{Me}_5)\text{Ru}(\text{C}\equiv\text{C}-1,4\text{-}(\text{C}_6\text{H}_4)\text{X})][\text{PF}_6]_n$ ( $n = 0, 1$ ; $\text{X} = \text{NO}_2, \text{CN}, \text{F}, \text{H}, \text{OMe}, \text{NH}_2$ ). <i>Organometallics</i> , 2006, 25, 649-665.	2.3	137
3	Di-organoiron Mixed Valent Complexes Featuring $\eta^5$ - $(\eta^5\text{-C}_5\text{Me}_5)\text{Fe}$ -Endgroups: A Smooth Class-III to Class-II Transition Induced by Successive Insertion of 1,4-Phenylene Units in a Butadiyne-Diyl Bridge. <i>Journal of the American Chemical Society</i> , 2006, 128, 2463-2476.	13.7	133
4	Electron-Rich Piano-Stool Iron $\eta^5$ -Acetylides Bearing a Functional Aryl Group. Synthesis and Characterization of Iron(II) and Iron(III) Complexes. <i>Organometallics</i> , 2000, 19, 4240-4251.	2.3	129
5	Electron-Rich Piano-Stool Iron $\eta^5$ -Acetylides. Electronic Structures of Arylalkynyl Iron(III) Radical Cations. <i>Organometallics</i> , 2005, 24, 5464-5478.	2.3	109
6	Group 8 metal alkynyl complexes for nonlinear optics. <i>Journal of Organometallic Chemistry</i> , 2014, 751, 181-200.	1.8	74
7	Iron Alkynyl Helicenes: Redox-Triggered Chiroptical Tuning in the IR and Near-IR Spectral Regions and Suitable for Telecommunications Applications. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8062-8066.	13.8	71
8	Third-Order Nonlinear Optical Properties of Some Electron-Rich Iron Mono- and Trinuclear Alkynyl Complexes. <i>Organometallics</i> , 2005, 24, 4280-4288.	2.3	70
9	Bonding and Electron Delocalization in Ruthenium(III) $\eta^5$ -Arylacetylide Radicals $[\text{trans-Cl}(\eta^5\text{-C}_5\text{Me}_5)_2\text{Ru}(\text{C}\equiv\text{C}(4\text{-C}_6\text{H}_4\text{X}))]^+$ ( $\text{X} = \text{NO}_2, \text{C}(\text{O})\text{H}, \text{C}(\text{O})\text{Me}, \text{F}, \text{H}, \text{OMe}, \text{NMe}_2$ ): Misleading Aspects of the ESR Anisotropy. <i>Organometallics</i> , 2009, 28, 2253-2266.	2.3	69
10	Electron-rich Fe(ii) and Fe(iii) organoiron $\eta^5$ -alkynyl complexes bearing a functional aryl group. Vibrational spectroscopic investigations of the substituent effect on the C $\equiv$ C triple bond. <i>Dalton Transactions RSC</i> , 2002, , 1783.	2.3	66
11	Electron-Rich Iron/Ruthenium Arylalkynyl Complexes for Third-Order Nonlinear Optics: Redox-Switching between Three States. <i>Chemistry - A European Journal</i> , 2011, 17, 5561-5577.	3.3	64
12	Spin Delocalization in Electron-Rich Iron(III) Piano-Stool $\eta^5$ -Acetylides. An Experimental (NMR) and Theoretical (DFT) Investigation. <i>Organometallics</i> , 2007, 26, 874-896.	2.3	60
13	Palladium(0)-Catalyzed Trimerization of Arylisocyanates into 1,3,5-Triarylisocyanurates in the Presence of Diimines: A Nonintuitive Mechanism. <i>Journal of the American Chemical Society</i> , 2007, 129, 7294-7304.	13.7	58
14	Silicon Surface-Bound Redox-Active Conjugated Wires Derived From Mono- and Dinuclear Iron(II) and Ruthenium(II) Oligo(phenyleneethynylene) Complexes. <i>Advanced Materials</i> , 2008, 20, 1952-1956.	21.0	54
15	Intramolecular Optical Electron Transfer in Mixed-Valent Dinuclear Iron <sup>II</sup> /Ruthenium Complexes Featuring a 1,4-Diethynylaryl Spacer. <i>Organometallics</i> , 2008, 27, 1063-1072.	2.3	53
16	Topological Dependence of the Magnetic Exchange Coupling in Arylethynyl-Bridged Organometallic Diradicals Containing $[(\eta^5\text{-C}_5\text{Me}_5)\text{Fe(III)}]^+$ Fragments. <i>Inorganic Chemistry</i> , 2009, 48, 10608-10624.	4.0	45
17	Versatile reactions of a para-bromophenylacetylide iron(II) derivative and X-ray structure of the fluoro analogue. <i>Journal of Organometallic Chemistry</i> , 2003, 670, 108-122.	1.8	44
18	Synthesis, characterization and unusual near-infrared luminescence of 1,1,4,4-tetracyanobutadiene derivatives. <i>Chemical Communications</i> , 2020, 56, 3571-3574.	4.1	44

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19	Multistate Redox-Active Metalated Triarylaminates. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 65-75.	2.0	41
20	Linear Optical and Third-Order Nonlinear Optical Properties of Some Fluorenyl- and Triarylamine-Containing Tetracyanobutadiene Derivatives. <i>Chemistry - A European Journal</i> , 2016, 22, 10155-10167.	3.3	35
21	Redox-Active Molecular Wires Derived from Dinuclear Ferrocenyl/Ruthenium(II) Alkynyl Complexes: Covalent Attachment to Hydrogen-Terminated Silicon Surfaces. <i>Journal of Physical Chemistry C</i> , 2014, 118, 3680-3695.	3.1	33
22	Cubic nonlinear optical properties of new zinc tetraphenyl porphyrins peripherally functionalized with electron-rich Ru(II) alkynyl substituents. <i>Tetrahedron</i> , 2012, 68, 10351-10359.	1.9	31
23	Triaryl-1,3,5-triazinane-2,4,6-triones (Isocyanurates) Peripherally Functionalized by Donor Groups: Synthesis and Study of Their Linear and Nonlinear Optical Properties. <i>Chemistry - A European Journal</i> , 2012, 18, 11811-11827.	3.3	31
24	1,1,4,4-Tetracyanobutadiene-Functionalized Anthracenes: Regioselectivity of Cycloadditions in the Synthesis of Small Near-IR Dyes. <i>Organic Letters</i> , 2021, 23, 2007-2012.	4.6	30
25	Synthesis and Characterization of New Conjugated Fluorenyl-Porphyrin Dendrimers for Optics. <i>Chemistry - A European Journal</i> , 2016, 22, 5583-5597.	3.3	29
26	Solid-state characterisation of the [( $\eta^2$ -dppe)( $\eta^5$ -C <sub>5</sub> Me <sub>5</sub> )FeCO] <sup>+</sup> cation: an unexpected $\pi$ -oxidation <sup>TM</sup> product of the [( $\eta^2$ -dppe)( $\eta^5$ -C <sub>5</sub> Me <sub>5</sub> )FeC <sub>6</sub> H <sub>4</sub> NMe <sub>2</sub> ] <sup>+</sup> radical cation. <i>Comptes Rendus Chimie</i> , 2005, 8, 1174-1185.	0.5	24
27	Synthesis of new luminescent supramolecular assemblies from fluorenyl porphyrins and polypyridyl isocyanurate-based spacers. <i>Tetrahedron</i> , 2012, 68, 98-105.	1.9	24
28	2,7-Fluorenyl-Bridged Complexes Containing Electroactive $\pi$ -conjugated Fe( $\eta^5$ -C <sub>5</sub> Me <sub>5</sub> )( $\eta^2$ -dppe)C <sub>6</sub> H <sub>4</sub> End Groups: Molecular Wires and Remarkable Nonlinear Electrochromes. <i>Organometallics</i> , 2015, 34, 5418-5437.		23
29	New Conjugated <i>meso</i> -tetrafluorenylporphyrin-Cored Derivatives as Fluorescent Two-Photon Photosensitizers for Singlet Oxygen Generation. <i>Chemistry - A European Journal</i> , 2017, 23, 2635-2647.	3.3	23
30	Enhanced two-photon absorption cross-sections of zinc(II) tetraphenylporphyrins peripherally substituted with $\delta^6$ -metal alkynyl complexes. <i>New Journal of Chemistry</i> , 2012, 36, 2192.	2.8	22
31	Donor-substituted triaryl-1,3,5-triazinanes-2,4,6-triones: octupolar NLO-phores with a remarkable transparency $\pi$ -nonlinearity trade-off. <i>New Journal of Chemistry</i> , 2011, 35, 2409.	2.8	21
32	Biocompatible conjugated fluorenylporphyrins for two-photon photodynamic therapy and fluorescence imaging. <i>Chemical Communications</i> , 2019, 55, 12231-12234.	4.1	21
33	Dendritic molecular assemblies for singlet oxygen generation: <i>meso</i> -tetraphenylporphyrin-based biphotonic sensitizers with remarkable luminescence. <i>New Journal of Chemistry</i> , 2015, 39, 7730-7733.	2.8	19
34	Iron and Ruthenium Alkynyl Complexes with $\delta^6$ -Fluorenyl Groups: Some Linear and Nonlinear Optical Absorption Properties. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3868-3882.	2.0	19
35	New conjugated <i>meso</i> -tetrathienylporphyrin-cored derivatives as two-photon photosensitizers for singlet oxygen generation. <i>Dyes and Pigments</i> , 2018, 153, 248-255.	3.7	19
36	A zinc(II) tetraphenylporphyrin peripherally functionalized with redox-active $\pi$ -conjugated trans-[( $\eta^5$ -C <sub>5</sub> H <sub>5</sub> )Fe( $\eta^5$ -C <sub>5</sub> H <sub>4</sub> C <sub>2</sub> )( $\eta^2$ -dppe)2Ru(C <sub>6</sub> H <sub>4</sub> ) $\delta^6$ -substituents: Linear electrochromism and third-order nonlinear optics. <i>Polyhedron</i> , 2015, 86, 64-70.		18

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37	Linear and Third-Order Nonlinear Optical Properties of Fe( $\eta^5$ -C <sub>5</sub> Me <sub>5</sub> )( $\eta^2$ -dppe)- and <i>trans</i> -Ru( $\eta^2$ -dppe) <sub>2</sub> -Alkynyl Complexes Containing 2-Fluorenyl End Groups. <i>Organometallics</i> , 2018, 37, 2245-2262.	2.3	17
38	New donor-acceptor conjugates based on a trifluorenylporphyrin linked to a redox-switchable ruthenium unit. <i>Dalton Transactions</i> , 2015, 44, 9470-9485.	3.3	16
39	New porphyrin dendrimers with fluorenyl-based connectors: a simple way to improving the optical properties over dendrimers featuring 1,3,5-phenylene connectors. <i>New Journal of Chemistry</i> , 2020, 44, 4144-4157.	2.8	15
40	Nonlinear optical properties of meso-Tetra(fluorenyl)porphyrins peripherally functionalized with one to four ruthenium alkynyl substituents. <i>Dyes and Pigments</i> , 2021, 188, 109155.	3.7	15
41	Triaryl-1,3,5-triazinane-2,4,6-triones functionalized with electron-rich Fe(ii) and Ru(ii) acetylide complexes: new organometallic octupoles with large hyperpolarizabilities. <i>Dalton Transactions</i> , 2012, 41, 7454.	3.3	13
42	Linear and Third-Order Nonlinear Optical Properties of Triazobenzene-1,3,5-triazinane-2,4,6-trione (isocyanurate) Derivatives. <i>ChemPlusChem</i> , 2017, 82, 1372-1383.	2.8	13
43	Phthalocyanine-Cored Fluorophores with Fluorene-Containing Peripheral Two-Photon Antennae as Photosensitizers for Singlet Oxygen Generation. <i>Molecules</i> , 2020, 25, 239.	3.8	13
44	Probing Charge-Transfer Excited States in a Quasi-Nonluminescent Electron-Rich Fe(II) Acetylide Complex by Femtosecond Optical Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 3719-3727.	3.1	12
45	Optical electron transfer through 2,7-diethynylfluorene spacers in mixed-valent complexes containing electron-rich $\eta^2$ -( $\eta^5$ -C <sub>5</sub> Me <sub>5</sub> )Fe endgroups. <i>Dalton Transactions</i> , 2011, 40, 6616.	3.3	11
46	New porphyrin-based dendrimers with alkene linked fluorenyl antennae for optics. <i>New Journal of Chemistry</i> , 2018, 42, 395-401.	2.8	11
47	Two-photon absorption properties of multipolar triarylamino/tosylamido 1,1,4,4-tetracyanobutadienes. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 22283-22297.	2.8	11
48	Synthesis and Photophysical Properties of 1,1,4,4-Tetracyanobutadienes Derived from Ynamides Bearing Fluorophores**. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	10
49	Synthesis, characterization and third-order nonlinear optical properties of a dodecaruthenium organometallic dendrimer with a zinc( $\eta^2$ ) tetraphenylporphyrin core. <i>Dalton Transactions</i> , 2018, 47, 11123-11135.	3.3	8
50	Impact of Changing the Core in Tetrapyrrolic Dendrimers Designed for Oxygen Sensitization: New Fluorescent Phthalocyanine-Based Dendrimers with High Two-Photon Absorption Cross-sections. <i>Macromolecules</i> , 2021, 54, 6726-6744.	4.8	7
51	Biocompatible fluorenylphthalocyanines for one- and two-photon photodynamic therapy and fluorescence imaging. <i>Dyes and Pigments</i> , 2022, 197, 109840.	3.7	7
52	A hybrid ruthenium alkynyl/zinc porphyrin cross fourchiral with large cubic NLO properties. <i>Dalton Transactions</i> , 2015, 44, 7748-7751.	3.3	6
53	DFT study of two-photon absorption of octupolar molecules. <i>Theoretical Chemistry Accounts</i> , 2019, 138, 1.	1.4	5
54	Fluorenylporphyrins functionalized by electrochromic ruthenium units as redox-triggered fluorescence switches. <i>Dalton Transactions</i> , 2019, 48, 11897-11911.	3.3	5

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55	Triarylisocyanurate-Based Fluorescent Two-Photon Absorbers. <i>ChemPlusChem</i> , 2020, 85, 411-425.	2.8	5
56	Diphenylamino-substituted tristyril vs. triphenyl isocyanurates: improved conjugation has minimal impact on two-photon absorption. <i>New Journal of Chemistry</i> , 2018, 42, 11289-11293.	2.8	4
57	Nitro End Groups: Remarkable Vibrational Reporters for Charge Transfer in the Excited States of Oligo( <i>p</i> -phenyleneethynylene)-Bridged Donor-Acceptor Dyads. <i>Journal of Physical Chemistry C</i> , 2020, 124, 9755-9764.	3.1	4
58	[Fp*Fc][PF6]: A remarkable non-symmetric dinuclear cation in a very stable mixed-valent state. <i>Journal of Organometallic Chemistry</i> , 2017, 847, 218-223.	1.8	3
59	Two-photon absorption of dipolar and quadrupolar oligothiophene-cored chromophore derivatives containing terminal dimesitylboryl moieties: a theoretical (DFT) structure-property investigation. <i>New Journal of Chemistry</i> , 2021, 45, 15074-15081.	2.8	3
60	Encapsulation of Hydrophobic Porphyrins into Biocompatible Nanoparticles: An Easy Way to Benefit of Their Two-Photon Phototherapeutic Effect without Hydrophilic Functionalization. <i>Cancers</i> , 2022, 14, 2358.	3.7	3
61	1,3,5-Triaryl-1,3,5-Triazinane-2,4,6-Trithiones: Synthesis, Electronic Structure and Linear Optical Properties. <i>Molecules</i> , 2020, 25, 5475.	3.8	2
62	Synthesis, characterization and optical properties of new tetrafluorenyl-porphyrins peripherally functionalized with conjugated 2-fluorenone groups. <i>New Journal of Chemistry</i> , 2021, 45, 15053-15062.	2.8	2
63	Electronic Absorption, Emission and Two-Photon Absorption Properties of Some Functional 1,3,5-Triphenylbenzenes. <i>ChemistrySelect</i> , 2017, 2, 8080-8085.	1.5	1
64	Synthesis of new star-like triply ferrocenylated compounds. <i>Inorganica Chimica Acta</i> , 2019, 486, 95-100.	2.4	1
65	New fluorescent tetraphenylporphyrin-based dendrimers with alkene-linked fluorenyl antennae designed for oxygen sensitization. <i>Comptes Rendus Chimie</i> , 2021, 24, 57-70.	0.5	1
66	Electronic Absorption, Emission, and Two-Photon Absorption Properties of Some Extended 2,4,6-Triphenyl-1,3,5-Triazines. <i>Photochem</i> , 2022, 2, 326-344.	2.2	0