FrÃ©dÃ©ric Paul

List of Publications by Year
in descending order

66 papers	2,555 citations	236925 25 h-index	189892 50 g-index
67 all docs	67 docs citations	67 times ranked	1832 citing authors

#	Article	IF	Citations
1	Biocompatible fluorenylphthalocyanines for one- and two-photon photodynamic therapy and fluorescence imaging. Dyes and Pigments, 2022, 197, 109840.	3.7	7
2	Synthesis and Photophysical Properties of 1,1,4,4â€Tetracyanobutadienes Derived from Ynamides Bearing Fluorophores**. Chemistry - A European Journal, 2022, 28, .	3.3	10
3	Encapsulation of Hydrophobic Porphyrins into Biocompatible Nanoparticles: An Easy Way to Benefit of Their Two-Photon Phototherapeutic Effect without Hydrophilic Functionalization. Cancers, 2022, 14, 2358.	3.7	3
4	Electronic Absorption, Emission, and Two-Photon Absorption Properties of Some Extended 2,4,6-Triphenyl-1,3,5-Triazines. Photochem, 2022, 2, 326-344.	2.2	0
5	Two-photon absorption of dipolar and quadrupolar oligothiophene-cored chromophore derivatives containing terminal dimesitylboryl moieties: a theoretical (DFT) structureâ€“property investigation. New Journal of Chemistry, 2021, 45, 15074-15081.	2.8	3
6	1,1,4,4-Tetracyanobutadiene-Functionalized Anthracenes: Regioselectivity of Cycloadditions in the Synthesis of Small Near-IR Dyes. Organic Letters, 2021, 23, 2007-2012.	4.6	30
7	Nonlinear optical properties of meso-Tetra(fluorenyl)porphyrins peripherally functionalized with one to four ruthenium alkynyl substituents. Dyes and Pigments, 2021, 188, 109155.	3.7	15
8	New fluorescent tetraphenylporphyrin-based dendrimers with alkene-linked fluorenyl antennae designed for oxygen sensitization. Comptes Rendus Chimie, 2021, 24, 57-70.	0.5	1
9	Impact of Changing the Core in Tetrapyrrolic Dendrimers Designed for Oxygen Sensitization: New Fluorescent Phthalocyanine-Based Dendrimers with High Two-Photon Absorption Cross-sections. Macromolecules, 2021, 54, 6726-6744.	4.8	7
10	Synthesis, characterization and optical properties of new tetrafluorenyl-porphyrins peripherally functionalized with conjugated 2-fluorenone groups. New Journal of Chemistry, 2021, 45, 15053-15062.	2.8	2
11	Two-photon absorption properties of multipolar triarylamino/tosylamido 1,1,4,4-tetracyanobutadienes. Physical Chemistry Chemical Physics, 2021, 23, 22283-22297.	2.8	11
12	1,3,5-Triaryl-1,3,5-Triazinane-2,4,6-Trithiones: Synthesis, Electronic Structure and Linear Optical Properties. Molecules, 2020, 25, 5475.	3.8	2
13	Synthesis, characterization and unusual near-infrared luminescence of 1,1,4,4-tetracyanobutadiene derivatives. Chemical Communications, 2020, 56, 3571-3574.	4.1	44
14	New porphyrin dendrimers with fluorenyl-based connectors: a simple way to improving the optical properties over dendrimers featuring 1,3,5-phenylene connectors. New Journal of Chemistry, 2020, 44, 4144-4157.	2.8	15
15	Triarylisocyanurateâ€Based Fluorescent Twoâ€Photon Absorbers. ChemPlusChem, 2020, 85, 411-425.	2.8	5
16	Phthalocyanine-Cored Fluorophores with Fluorene-Containing Peripheral Two-Photon Antennae as Photosensitizers for Singlet Oxygen Generation. Molecules, 2020, 25, 239.	3.8	13
17	Nitro End Groups: Remarkable Vibrational Reporters for Charge Transfer in the Excited States of Oligo(p-phenyleneethynylene)-Bridged Donorâ€“Acceptor Dyads. Journal of Physical Chemistry C, 2020, 124, 9755-9764.	3.1	4
18	DFT study of two-photon absorption of octupolar molecules. Theoretical Chemistry Accounts, 2019, 138, 1.	1.4	5

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19	Fluorenylporphyrins functionalized by electrochromic ruthenium units as redox-triggered fluorescence switches. Dalton Transactions, 2019, 48, 11897-11911.	3.3	5
20	Biocompatible conjugated fluorenylporphyrins for two-photon photodynamic therapy and fluorescence imaging. Chemical Communications, 2019, 55, 12231-12234.	4.1	21
21	Synthesis of new star-like triply ferrocenylated compounds. Inorganica Chimica Acta, 2019, 486, 95-100.	2.4	1
22	New conjugated meso-tetrathienylporphyrin-cored derivatives as two-photon photosensitizers for singlet oxygen generation. Dyes and Pigments, 2018, 153, 248-255.	3.7	19
23	New porphyrin-based dendrimers with alkene linked fluorenyl antennae for optics. New Journal of Chemistry, 2018, 42, 395-401.	2.8	11
24	Linear and Third-Order Nonlinear Optical Properties of Fe(Î·⁵-C₅Me₅)(Îº²-dppe)- and trans-Ru(Îº²-dppe)₂-Alkynyl Complexes Containing 2-Fluorenyl End Groups. Organometallics, 2018, 37, 2245-2262.	2.3	17
25	Diphenylamino-substituted tristyryl vs. triphenyl isocyanurates: improved conjugation has minimal impact on two-photon absorption. New Journal of Chemistry, 2018, 42, 11289-11293.	2.8	4
26	Synthesis, characterization and third-order nonlinear optical properties of a dodecaruthenium organometallic dendrimer with a zinc(<scp>II</scp>) tetraphenylporphyrin core. Dalton Transactions, 2018, 47, 11123-11135.	3.3	8
27	[Fp*Fc][PF6]: A remarkable non-symmetric dinuclear cation in a very stable mixed-valent state. Journal of Organometallic Chemistry, 2017, 847, 218-223.	1.8	3
28	New Conjugated mesoâ€Tetrafluorenylporphyrinâ€Cored Derivatives as Fluorescent Twoâ€Photon Photosensitizers for Singlet Oxygen Generation. Chemistry - A European Journal, 2017, 23, 2635-2647.	3.3	23
29	Linear and Thirdâ€Order Nonlinear Optical Properties of Triazobenzeneâ€1,3,5â€triazinaneâ€2,4,6â€trione (Isocyanurate) Derivatives. ChemPlusChem, 2017, 82, 1372-1383.	2.8	13
30	Electronic Absorption, Emission and Twoâ€Photon Absorption Properties of Some Functional 1,3,5â€Triphenylbenzenes. ChemistrySelect, 2017, 2, 8080-8085.	1.5	1
31	Linear Optical and Thirdâ€Order Nonlinear Optical Properties of Some Fluorenylâ€and Triarylamineâ€Containing Tetracyanobutadiene Derivatives. Chemistry - A European Journal, 2016, 22, 10155-10167.	3.3	35
32	Iron and Ruthenium Alkynyl Complexes with 2â€Fluorenyl Groups: Some Linear and Nonlinear Optical Absorption Properties. European Journal of Inorganic Chemistry, 2016, 2016, 3868-3882.	2.0	19
33	Synthesis and Characterization of New Conjugated Fluorenylâ€Porphyrin Dendrimers for Optics. Chemistry - A European Journal, 2016, 22, 5583-5597.	3.3	29
34	Iron Alkynyl Helicenes: Redoxâ€Triggered Chiroptical Tuning in the IR and Nearâ€IR Spectral Regions and Suitable for Telecommunications Applications. Angewandte Chemie - International Edition, 2016, 55, 8062-8066.	13.8	71
35	2,7-Fluorenediyl-Bridged Complexes Containing Electroactive â€œFe(Î·⁵-C₅Me₅)(Îº²-dppe)Câ‰¡Câ€“â€•End Groups: Molecular Wires and Remarkable Nonlinear Electrochromes. Organometallics, 2015, 34, 5418-5437.	2.3	23
36	New donorâ€“acceptor conjugates based on a trifluorenylporphyrin linked to a redoxâ€“switchable ruthenium unit. Dalton Transactions, 2015, 44, 9470-9485.	3.3	16

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37	A hybrid ruthenium alkynyl/zinc porphyrin â€œCross FourchÃ©eâ€•with large cubic NLO properties. Dalton Transactions, 2015, 44, 7748-7751.	3.3	6
38	Dendritic molecular assemblies for singlet oxygen generation: meso-tetraphenylporphyrin-based biphotonic sensitizers with remarkable luminescence. New Journal of Chemistry, 2015, 39, 7730-7733.	2.8	19
39	A zinc(II) tetraphenylporphyrin peripherally functionalized with redox-active â€œtrans-[(Î·5-C5H5)Fe(Î·5-C5H4)C C](Î²2-dppe)2Ru(C C)-â€•substituents: Linear electrochromism and third-order nonlinear optics. Polyhedron, 2015, 86, 64-70.	2.2	18
40	Redox-Active Molecular Wires Derived from Dinuclear Ferrocenyl/Ruthenium(II) Alkynyl Complexes: Covalent Attachment to Hydrogen-Terminated Silicon Surfaces. Journal of Physical Chemistry C, 2014, 118, 3680-3695.	3.1	33
41	Group 8 metal alkynyl complexes for nonlinear optics. Journal of Organometallic Chemistry, 2014, 751, 181-200.	1.8	74
42	Enhanced two-photon absorption cross-sections of zinc(II) tetraphenylporphyrins peripherally substituted with d6-metal alkynyl complexes. New Journal of Chemistry, 2012, 36, 2192.	2.8	22
43	Probing Charge-Transfer Excited States in a Quasi-Nonluminescent Electron-Rich Fe(II)â€“Acetylide Complex by Femtosecond Optical Spectroscopy. Journal of Physical Chemistry C, 2012, 116, 3719-3727.	3.1	12
44	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. Dalton Transactions, 2012, 41, 7454.	3.3	13
45	Cubic nonlinear optical properties of new zinc tetraphenyl porphyrins peripherally functionalized with electron-rich Ru(II) alkynyl substituents. Tetrahedron, 2012, 68, 10351-10359.	1.9	31
46	Triarylâ€1,3,5â€triazinaneâ€2,4,6â€triones (Isocyanurates) Peripherally Functionalized by Donor Groups: Synthesis and Study of Their Linear and Nonlinear Optical Properties. Chemistry - A European Journal, 2012, 18, 11811-11827.	3.3	31
47	Synthesis of new luminescent supramolecular assemblies from fluorenyl porphyrins and polypyridyl isocyanurate-based spacers. Tetrahedron, 2012, 68, 98-105.	1.9	24
48	Multistate Redox-Active Metalated Triarylamines. European Journal of Inorganic Chemistry, 2012, 2012, 65-75.	2.0	41
49	Optical electron transfer through 2,7-diethynylfluorene spacers in mixed-valent complexes containing electron-rich â€œ(Î·2-dppe)(Î·5-C5Me5)Feâ€•endgroups. Dalton Transactions, 2011, 40, 6616.	3.3	11
50	Donor-substituted triaryl-1,3,5-triazinanes-2,4,6-triones: octupolar NLO-phores with a remarkable transparencyâ€“nonlinearity trade-off. New Journal of Chemistry, 2011, 35, 2409.	2.8	21
51	Electronâ€Rich Iron/Ruthenium Arylalkynyl Complexes for Thirdâ€Order Nonlinear Optics: Redoxâ€Switching between Three States. Chemistry - A European Journal, 2011, 17, 5561-5577.	3.3	64
52	Bonding and Electron Delocalization in Ruthenium(III) Ïƒ-Arylacetylide Radicals [trans-Cl(Î·2-dppe)2RuCâ‰¡C(4-C6H4X)]+ (X = NO2, C(O)H, C(O)Me, F, H, OMe, NMe2): Misleading Aspects of the ESR Anisotropy. Organometallics, 2009, 28, 2253-2266.	2.3	69
53	Topological Dependence of the Magnetic Exchange Coupling in Arylethynyl-Bridged Organometallic Diradicals Containing [(Î·2-dppe)(Î·5-C5Me5)FeIII]+ Fragments. Inorganic Chemistry, 2009, 48, 10608-10624.	4.0	45
54	Silicon Surfaceâ€Bound Redoxâ€Active Conjugated Wires Derived From Monoâ€•and Dinuclear Iron(II) and Ruthenium(II) Oligo(phenyleneethynylene) Complexes. Advanced Materials, 2008, 20, 1952-1956.	21.0	54

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55	Intramolecular Optical Electron Transfer in Mixed-Valent Dinuclear Ironâ^'Ruthenium Complexes Featuring a 1,4-Diethynylaryl Spacer. Organometallics, 2008, 27, 1063-1072.	2.3	53
56	Spin Delocalization in Electron-Rich Iron(III) Piano-Stool Ïƒ-Acetylides. An Experimental (NMR) and Theoretical (DFT) Investigation. Organometallics, 2007, 26, 874-896.	2.3	60
57	Palladium(0)-Catalyzed Trimerization of Arylisocyanates into 1,3,5-Triarylisocyanurates in the Presence of Diimines:Â A Nonintuitive Mechanism. Journal of the American Chemical Society, 2007, 129, 7294-7304.	13.7	58
58	Bonding and Substituent Effects in Electron-Rich Mononuclear Ruthenium Ïƒ-Arylacetylides of the Formula [(Î·2-dppe)(Î·5-C5Me5)Ru(Câ‹®C)-1,4-(C6H4)X][PF6]n (n = 0, 1; X = NO2, CN, F, H, OMe, NH2). Organometallics, 2006, 25, 649-665.	2.3	137
59	Di-organoiron Mixed Valent Complexes Featuring â€œ(Î·2-dppe)(Î·5-C5Me5)Feâ€•Endgroups:Â Smooth Class-III to Class-II Transition Induced by Successive Insertion of 1,4-Phenylene Units in a Butadiyne-Diyl Bridge. Journal of the American Chemical Society, 2006, 128, 2463-2476.	13.7	133
60	Solid-state characterisation of the [(Î·2-dppe)(Î·5-C5Me5)FeCO]+ cation: an unexpected â€˜oxidationâ€™ product of the [(Î·2-dppe)(Î·5-C5Me5)FeCâ‰¡C(C6H4)NMe2]+ radical cation. Comptes Rendus Chimie, 2005, 8, 1174-1185.	0.5	24
61	Electron-Rich Piano-Stool Iron Ïƒ-Acetylides. Electronic Structures of Arylalkynyl Iron(III) Radical Cationsâ€. Organometallics, 2005, 24, 5464-5478.	2.3	109
62	Third-Order Nonlinear Optical Properties of Some Electron-Rich Iron Mono- and Trinuclear Alkynyl Complexes. Organometallics, 2005, 24, 4280-4288.	2.3	70
63	Versatile reactions of a para-bromophenylacetylide iron(II) derivative and X-ray structure of the fluoro analogue.. Journal of Organometallic Chemistry, 2003, 670, 108-122.	1.8	44
64	Electron-rich Fe(ii) and Fe(iii) organoiron Ïƒ-alkynyl complexes bearing a functional aryl group. Vibrational spectroscopic investigations of the substituent effect on the Cî€,C triple bond. Dalton Transactions RSC, 2002, , 1783.	2.3	66
65	Electron-Rich Piano-Stool Iron Ïƒ-Acetylides Bearing a Functional Aryl Group. Synthesis and Characterization of Iron(II) and Iron(III) Complexesâ€. Organometallics, 2000, 19, 4240-4251.	2.3	129
66	Organometallic molecular wires and other nanoscale-sized devices. Coordination Chemistry Reviews, 1998, 178-180, 431-509.	18.8	587