SÃ©bastien ClÃ©ment

List of Publications by Year
in descending order

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Version: 2024-02-01

		257450	345221
89	1,687	24	36
papers	citations	h-index	g-index

94	94	94	2706
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bio-based porphyrins pyropheophorbide a and its Zn-complex as visible-light photosensitizers for free-radical photopolymerization. Polymer Chemistry, 2022, 13, 1658-1671.	3.9	4
2	Carbonic Anhydrase Inhibitors Featuring a Porphyrin Scaffold: Synthesis, Optical and Biological Properties. European Journal of Organic Chemistry, 2022, 2022, .	2.4	3
3	Fluorescent Pâ€Hydroxyphosphole for Peptide Labeling through Pâ€N Bond Formation. Chemistry - A European Journal, 2022, 28, .	3.3	5
4	Phosphoniumâ€based polythiophene conjugated polyelectrolytes with different surfactant counterions: thermal properties, selfâ€assembly and photovoltaic performances. Polymer International, 2021, 70, 457-466.	3.1	4
5	Aggregation-induced emission from silole-based lumophores embedded in organicâ€“inorganic hybrid hosts. Journal of Materials Chemistry C, 2021, 9, 13914-13925.	5.5	14
6	Synthesis, characterization and use of a POSS-arylamine based pushâ€“pull octamer. New Journal of Chemistry, 2021, 45, 6186-6191.	2.8	3
7	Molecular Systems Combining Porphyrinoids and Nâ€Heterocyclic Carbenes. European Journal of Inorganic Chemistry, 2021, 2021, 776-791.	2.0	10
8	Synthesis, Selfâ€Assembly, and Nucleic Acid Recognition of an Acylhydrazoneâ€Conjugated Cationic Tetraphenylethene Ligand. European Journal of Organic Chemistry, 2021, 2021, 1123-1135.	2.4	4
9	In vitro toxicity and photodynamic properties of porphyrinoids bearing imidazolium salts and N-heterocyclic carbene gold(I) complexes. Comptes Rendus Chimie, 2021, 24, 83-99.	0.5	2
10	Synthesis, Characterization, and Encapsulation Properties of Rigid and Flexible Porphyrin Cages Assembled from N-Heterocyclic Carbeneâ€“Metal Bonds. Inorganic Chemistry, 2021, 60, 19009-19021.	4.0	4
11	Design of metalloporphyrins fused to imidazolium rings for binding DNA G-quadruplexes. Journal of Porphyrins and Phthalocyanines, 2020, 24, 340-349.	0.8	2
12	Synthesis, photophysical and electropolymerization properties of thiophene-substituted 2,3-diphenylbuta-1,3-dienes. New Journal of Chemistry, 2020, 44, 12556-12567.	2.8	1
13	Structural and Photophysical Templating of Conjugated Polyelectrolytes with Single-Stranded DNA. Chemistry of Materials, 2020, 32, 7347-7362.	6.7	4
14	Polythiophenes with Cationic Phosphonium Groups as Vectors for Imaging, siRNA Delivery, and Photodynamic Therapy. Nanomaterials, 2020, 10, 1432.	4.1	9
15	Binding Mode Multiplicity and Multiscale Chirality in the Supramolecular Assembly of DNA and a Ï€â€Conjugated Polymer. ChemPhysChem, 2020, 21, 2543-2552.	2.1	4
16	Linking triptycene to silole: a fruitful association. Materials Chemistry Frontiers, 2020, 4, 2006-2017.	5.9	3
17	Sol-Gel Chemistry: From Molecule to Functional Materials. Molecules, 2020, 25, 2538.	3.8	6
18	Molecular complexes and main-chain organometallic polymers based on Janus bis(carbenes) fused to metalloporphyrins. Dalton Transactions, 2020, 49, 7005-7014.	3.3	9

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19	In Depth Analysis of Photovoltaic Performance of Chlorophyll Derivative-Based â€œAll Solid-Stateâ€• Dye-Sensitized Solar Cells. Molecules, 2020, 25, 198.	3.8	10
20	A Cationic Tetraphenylethene as a Light-Up Supramolecular Probe for DNA G-Quadruplexes. Frontiers in Chemistry, 2019, 7, 493.	3.6	17
21	Luminescent Solar Concentrators Based on Energy Transfer from an Aggregation-Induced Emitter Conjugated Polymer. ACS Applied Polymer Materials, 2019, 1, 3039-3047.	4.4	42
22	Synthesis and properties of a P3HT-based ABA triblock copolymer containing a perfluoropolyether central segment. Synthetic Metals, 2019, 252, 127-134.	3.9	9
23	Detection of the Enzymatic Cleavage of DNA through Supramolecular Chiral Induction to a Cationic Polythiophene. ACS Applied Bio Materials, 2019, 2, 2125-2136.	4.6	10
24	Silole Amino Acids with Aggregationâ€Induced Emission Features Synthesized by Hydrosilylation. European Journal of Organic Chemistry, 2019, 2019, 2275-2281.	2.4	7
25	Supramolecular Selfâ€Assembly of DNA with a Cationic Polythiophene: From Polyplexes to Fibers. ChemNanoMat, 2019, 5, 703-709.	2.8	7
26	Synthesis, characterization and modeling of self-assembled porphyrin nanorods. Journal of Porphyrins and Phthalocyanines, 2019, 23, 1346-1354.	0.8	2
27	Peripherally Metalated Porphyrins with Applications in Catalysis, Molecular Electronics and Biomedicine. Chemistry - A European Journal, 2018, 24, 15442-15460.	3.3	54
28	Porous Porphyrinâ€Based Organosilica Nanoparticles for NIR Twoâ€Photon Photodynamic Therapy and Gene Delivery in Zebrafish. Advanced Functional Materials, 2018, 28, 1800235.	14.9	50
29	Phospholyl(borane) Amino Acids and Peptides: Stereoselective Synthesis and Fluorescent Properties with Large Stokes Shift. Journal of the American Chemical Society, 2018, 140, 1028-1034.	13.7	28
30	Supramolecular Assemblies of DNA/Conjugated Polymers. Materials and Energy, 2018, , 139-157.	0.1	3
31	Diazachlorin and diazabacteriochlorin for one- and two-photon photodynamic therapy. Chemical Communications, 2018, 54, 13829-13832.	4.1	16
32	New Layered Polythiophene-Silica Composite Through the Self-Assembly and Polymerization of Thiophene-Based Silylated Molecular Precursors. Molecules, 2018, 23, 2510.	3.8	5
33	Cofacial porphyrin dimers assembled from N-heterocyclic carbeneâ€“metal bonds. Chemical Communications, 2018, 54, 9603-9606.	4.1	17
34	Use of Modified Colloids and Membranes to Remove Metal Ions from Contaminated Solutions. Colloids and Interfaces, 2018, 2, 19.	2.1	9
35	Molecular design of interfacial layers based on conjugated polythiophenes for polymer and hybrid solar cells. Polymer International, 2017, 66, 1333-1348.	3.1	18
36	Well-designed poly(3-hexylthiophene) as hole transporting material: A new opportunity for solid-state dye-sensitized solar cells. Synthetic Metals, 2017, 226, 157-163.	3.9	23

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37	Generation of Multicomponent Molecular Cages using Simultaneous Dynamic Covalent Reactions. Chemistry - A European Journal, 2017, 23, 18010-18018.	3.3	40
38	Assembly of Coordination Polymers Using Thioetherâ€Functionalized Octasilsesquioxanes: Occurrence of (CuX)_n Clusters (X=Br and I) within 3Dâ€POSS Networks. Chemistry - A European Journal, 2017, 23, 16479-16483.	3.3	35
39	Porphyrins Conjugated with Peripheral Thiolato Gold(I) Complexes for Enhanced Photodynamic Therapy. Chemistry - A European Journal, 2017, 23, 14017-14026.	3.3	37
40	A self-assembly toolbox for thiophene-based conjugated polyelectrolytes: surfactants, solvent and copolymerisation. Nanoscale, 2017, 9, 17481-17493.	5.6	14
41	Regioregular Polythiopheneâ€“Porphyrin Supramolecular Copolymers for Optoelectronic Applications. Macromolecular Chemistry and Physics, 2016, 217, 445-458.	2.2	14
42	Targeted design leads to tunable photoluminescence from perylene dicarboxdiimideâ€“poly(oxyalkylene)/siloxane hybrids for luminescent solar concentrators. Journal of Materials Chemistry C, 2016, 4, 4049-4059.	5.5	23
43	High-Permittivity Conjugated Polyelectrolyte Interlayers for High-Performance Bulk Heterojunction Organic Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 6309-6314.	8.0	37
44	Experimental and Theoretical Study of the Reactivity of Gold Nanoparticles Towards Benzimidazoleâ€2â€ylidene Ligands. Chemistry - A European Journal, 2016, 22, 10446-10458.	3.3	36
45	Synthesis, Characterization, and Electronic Properties of Porphyrins Conjugated with N-Heterocyclic Carbene (NHC)â€“Gold(I) Complexes. Organometallics, 2016, 35, 663-672.	2.3	27
46	Porphyrins fused to N-heterocyclic carbene palladium complexes as tunable precatalysts in Mizorokiâ€“Heck reactions: How the porphyrin can modulate the apparent catalytic activity?. Comptes Rendus Chimie, 2016, 19, 94-102.	0.5	24
47	Expanding the light absorption of poly(3-hexylthiophene) by end-functionalization with Ï€-extended porphyrins. Chemical Communications, 2016, 52, 171-174.	4.1	13
48	Multifunctional Silica Nanoparticles Modified via Silylated-Decaborate Precursors. Journal of Nanomaterials, 2015, 2015, 1-8.	2.7	14
49	Self-assembly and hybridization mechanisms of DNA with cationic polythiophene. Soft Matter, 2015, 11, 6460-6471.	2.7	24
50	Self-assembled conjugated polyelectrolyteâ€“surfactant complexes as efficient cathode interlayer materials for bulk heterojunction organic solar cells. Journal of Materials Chemistry A, 2015, 3, 23905-23916.	10.3	16
51	Binding modes of a core-extended metalloporphyrin to human telomeric DNA G-quadruplexes. Organic and Biomolecular Chemistry, 2015, 13, 2453-2463.	2.8	36
52	Interplay between Halogen Bonding and Lone Pairâ€“Ï€ Interactions: A Computational and Crystal Packing Study. ChemPlusChem, 2014, 79, 552-558.	2.8	23
53	Twoâ€Photonâ€Triggered Drug Delivery via Fluorescent Nanovalves. Small, 2014, 10, 1752-1755.	10.0	106
54	Reactivity of gold nanoparticles towards N-heterocyclic carbenes. Dalton Transactions, 2014, 43, 5978.	3.3	77

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55	A facile synthesis of proton-conducting organicâ€“inorganic membranes. Journal of Membrane Science, 2014, 470, 189-196.	8.2	8
56	Ladder-Like Versus Hexagonal Organicâ€“Inorganic Hybrid Materials in the Extraction of Lead Ions. Journal of Inorganic and Organometallic Polymers and Materials, 2014, 24, 508-514.	3.7	2
57	Aromatic Nucleophilic Substitution (S_NAr) of meso-Nitroporphyrin with Azide and Amines as an Alternative Metal Catalyst Free Synthetic Approach To Obtain meso-N-Substituted Porphyrins. Journal of Organic Chemistry, 2014, 79, 6424-6434.	3.2	50
58	All-conjugated cationic copolythiophene â€œrodâ€“rodâ€•block copolyelectrolytes: synthesis, optical properties and solvent-dependent assembly. Polymer Chemistry, 2014, 5, 3352-3362.	3.9	18
59	Synthesis of TiO₂â€“Poly(3-hexylthiophene) Hybrid Particles through Surface-Initiated Kumada Catalyst-Transfer Polycondensation. Langmuir, 2014, 30, 11340-11347.	3.5	19
60	2,5-Thiophene substituted spirobisiloles â€“ synthesis, characterization, electrochemical properties and performance in bulk heterojunction solar cells. New Journal of Chemistry, 2013, 37, 464-473.	2.8	10
61	Chirality in DNAâ€“Ï€-conjugated polymer supramolecular structures: insights into the self-assembly. Chemical Communications, 2013, 49, 5483.	4.1	45
62	Ladder-like aminopropylsilsesquioxane. A nice alternative for controlled drug delivery. RSC Advances, 2013, 3, 8160.	3.6	1
63	Reinvestigation of the Pd-catalyzed bis(silylation) of alkynes with 1,1,2,2-tetramethyl-1,2-bis(phenylthiomethyl)disilane: Unexpected formation of the eight-membered siloxaneâ€“chelate complex cis-[PdCl2{(PhSCH2SiMe2)2O}]. Journal of Organometallic Chemistry, 2013, 724, 262-270.	1.8	11
64	SH-functionalized cubic mesostructured silica as a support for small gold nanoparticles. RSC Advances, 2013, 3, 725-728.	3.6	14
65	Porphyrins Fused to Nâ€Heterocyclic Carbenes (NHCs): Modulation of the Electronic and Catalytic Properties of NHCs by the Central Metal of the Porphyrin. Chemistry - A European Journal, 2013, 19, 15652-15660.	3.3	31
66	Synthesis of stable free base secochlorins and their corresponding metal complexes from meso-tetraarylporphyrin derivatives. Chemical Communications, 2012, 48, 3460.	4.1	17
67	Probing excited state electronic communications across diethynyl-[2.2]paracyclophane-containing conjugated organometallic polymers. Chemical Communications, 2012, 48, 8640.	4.1	23
68	Synthesis, crystallographic and electrochemical study of ethynyl[2.2]paracyclophane-derived cobalt metallatetrahedranes. Journal of Organometallic Chemistry, 2012, 699, 56-66.	1.8	6
69	Synthesis and characterization of carboxystyryl end-functionalized poly(3-hexylthiophene)/TiO2 hybrids in view of photovoltaic applications. Synthetic Metals, 2012, 162, 1615-1622.	3.9	21
70	From an Octakis(3â€cyanopropyl)silsesquioxane Building Block to a Highly COOHâ€Functionalized Hybrid Organicâ€“Inorganic Material. European Journal of Inorganic Chemistry, 2012, 2012, 143-150.	2.0	26
71	Synthesis and characterisation of Ï€-conjugated polymer/silica hybrids containing regioregular ionic polythiophenes. Journal of Materials Chemistry, 2011, 21, 2733.	6.7	34
72	Electron delocalization in vinyl ruthenium substituted cyclophanes: Assessment of the through-space and the through-bond pathways. Journal of Organometallic Chemistry, 2011, 696, 3186-3197.	1.8	43

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73	Novel optical sensors for detection of nitroaromatics based on supported thin flexible poly(methylhydrosiloxane) permeable films functionalised with silole groups. Proceedings of SPIE, 2011, , .	0.8	1
74	2-(2,2-Dibromoethenyl)thiophene. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o481-o481.	0.2	1
75	Synthesis and Characterization of Nanocomposites Based on Functional Regioregular Poly(3â€hexylthiophene) and Multiwall Carbon Nanotubes. Macromolecular Rapid Communications, 2010, 31, 1427-1434.	3.9	43
76	Synthesis and Supramolecular Organization of Regioregular Polythiophene Block Oligomers. Journal of Organic Chemistry, 2010, 75, 1561-1568.	3.2	43
77	Supported thin flexible polymethylhydrosiloxane permeable films functionalised with silole groups: new approach for detection of nitroaromatics. Journal of Materials Chemistry, 2010, 20, 7100.	6.7	19
78	(E)-3-(2,3,4,5,6-Pentafluorostyryl)thiophene. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o896-o897.	0.2	3
79	(2,2-Dichlorovinyl)ferrocene. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, m334-m334.	0.2	1
80	A-Frame-Containing Organometallic Oligomers Constructed From Homo- and Heterobimetallic M(Î¼-dppm)2Mâ€² (M/Mâ€² = Pd, Pt) Building Blocks. European Journal of Inorganic Chemistry, 2009, 2009, 2536-2546.	2.0	4
81	Properties of the [M(dppm)₂Mâ€²]²⁺ Building Blocks (M, Mâ€² = Pd or Pt): Site Selectivity, Emission Features, and Frontier Orbital Analysis. Inorganic Chemistry, 2009, 48, 4118-4133.	4.0	19
82	Conjugated Organometallic Polymer Containing a Redox-Active Center. Inorganic Chemistry, 2009, 48, 446-454.	4.0	38
83	4,12-Bis(2,2-dibromovinyl)[2.2]paracyclophane. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o528-o528.	0.2	4
84	The First A-Frame-Containing Organometallic Polymer: Taking Advantage of the Site Selectivity in PdPt-Mixed Metal Bimetallics. Journal of Inorganic and Organometallic Polymers and Materials, 2008, 18, 104-110.	3.7	9
85	Probing the Electronic Communication of the Isocyanide Bridge Through the Luminescence Properties of the d9â^'d9 [ClPt(Î¼-dppm)2Pt(Cî—¼Nî—¸PCP)]+and A-Frame [ClPd(Î¼-dppm)2(Î¼-Cî—»Nî—¸PCP)PdCl] Complexes. Inorganic Chemistry, 2008, 47, 10816-10824.	4.0	19
86	(2,2â€Dibromovinyl)ferrocene as a Building Block for the Assembly of Heterodinuclear Complexes â€“ Preparation of an Îƒâ€Alkenylpalladium Complex and Dimetallic Dithioether Complexes. European Journal of Inorganic Chemistry, 2007, 2007, 5052-5061.	2.0	16
87	Ethynyl[2.2]paracyclophanes and 4-isocyano[2.2]paracyclophane as ligands in organometallic chemistry. Journal of Organometallic Chemistry, 2007, 692, 839-850.	1.8	35
88	Chemistry and Electrochemistry of the Heterodinuclear Complex ClPd(dppm)2PtCl:Â A Mâ^'Mâ€˜ Bond Providing Site Selectivity. Inorganic Chemistry, 2006, 45, 1305-1315.	4.0	19
89	Reactivity of silyl-substituted heterobimetallic ironâ€“platinum hydride complexes: Part III. Alkyne insertions into the platinumâ€“hydride bond and competition between Î¼-vinylidene and dimetallacyclopentenone formation. Inorganic Chemistry Communication, 2006, 9, 127-131.	3.9	16