

SÃ©bastien ClÃ©ment

List of Publications by Year in descending order

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89
papers

1,687
citations

257450

24
h-index

345221

36
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94
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94
docs citations

94
times ranked

2706
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Photon-Triggered Drug Delivery via Fluorescent Nanovalves. <i>Small</i> , 2014, 10, 1752-1755.	10.0	106
2	Reactivity of gold nanoparticles towards N-heterocyclic carbenes. <i>Dalton Transactions</i> , 2014, 43, 5978.	3.3	77
3	Peripherally Metalated Porphyrins with Applications in Catalysis, Molecular Electronics and Biomedicine. <i>Chemistry - A European Journal</i> , 2018, 24, 15442-15460.	3.3	54
4	Aromatic Nucleophilic Substitution (S_NAr) of <i>meso</i> -Nitroporphyrin with Azide and Amines as an Alternative Metal Catalyst Free Synthetic Approach To Obtain <i>meso</i> -Substituted Porphyrins. <i>Journal of Organic Chemistry</i> , 2014, 79, 6424-6434.	3.2	50
5	Porous Porphyrin-Based Organosilica Nanoparticles for NIR Two-Photon Photodynamic Therapy and Gene Delivery in Zebrafish. <i>Advanced Functional Materials</i> , 2018, 28, 1800235.	14.9	50
6	Chirality in DNA-conjugated polymer supramolecular structures: insights into the self-assembly. <i>Chemical Communications</i> , 2013, 49, 5483.	4.1	45
7	Synthesis and Characterization of Nanocomposites Based on Functional Regioregular Poly(3-hexylthiophene) and Multiwall Carbon Nanotubes. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1427-1434.	3.9	43
8	Synthesis and Supramolecular Organization of Regioregular Polythiophene Block Oligomers. <i>Journal of Organic Chemistry</i> , 2010, 75, 1561-1568.	3.2	43
9	Electron delocalization in vinyl ruthenium substituted cyclophanes: Assessment of the through-space and the through-bond pathways. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 3186-3197.	1.8	43
10	Luminescent Solar Concentrators Based on Energy Transfer from an Aggregation-Induced Emitter Conjugated Polymer. <i>ACS Applied Polymer Materials</i> , 2019, 1, 3039-3047.	4.4	42
11	Generation of Multicomponent Molecular Cages using Simultaneous Dynamic Covalent Reactions. <i>Chemistry - A European Journal</i> , 2017, 23, 18010-18018.	3.3	40
12	Conjugated Organometallic Polymer Containing a Redox-Active Center. <i>Inorganic Chemistry</i> , 2009, 48, 446-454.	4.0	38
13	High-Permittivity Conjugated Polyelectrolyte Interlayers for High-Performance Bulk Heterojunction Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6309-6314.	8.0	37
14	Porphyrins Conjugated with Peripheral Thiolato Gold(I) Complexes for Enhanced Photodynamic Therapy. <i>Chemistry - A European Journal</i> , 2017, 23, 14017-14026.	3.3	37
15	Binding modes of a core-extended metalloporphyrin to human telomeric DNA G-quadruplexes. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2453-2463.	2.8	36
16	Experimental and Theoretical Study of the Reactivity of Gold Nanoparticles Towards Benzimidazole-2-ylidene Ligands. <i>Chemistry - A European Journal</i> , 2016, 22, 10446-10458.	3.3	36
17	Ethynyl[2.2]paracyclophanes and 4-isocyano[2.2]paracyclophane as ligands in organometallic chemistry. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 839-850.	1.8	35
18	Assembly of Coordination Polymers Using Thioether-Functionalized Octasilsesquioxanes: Occurrence of $(CuX)_n$ Clusters ($X=Br$ and I) within 3D-POSS Networks. <i>Chemistry - A European Journal</i> , 2017, 23, 16479-16483.	3.3	35

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19	Synthesis and characterisation of π -conjugated polymer/silica hybrids containing regioregular ionic polythiophenes. <i>Journal of Materials Chemistry</i> , 2011, 21, 2733.	6.7	34
20	Porphyrins Fused to N-Heterocyclic Carbenes (NHCs): Modulation of the Electronic and Catalytic Properties of NHCs by the Central Metal of the Porphyrin. <i>Chemistry - A European Journal</i> , 2013, 19, 15652-15660.	3.3	31
21	Phospholyl(borane) Amino Acids and Peptides: Stereoselective Synthesis and Fluorescent Properties with Large Stokes Shift. <i>Journal of the American Chemical Society</i> , 2018, 140, 1028-1034.	13.7	28
22	Synthesis, Characterization, and Electronic Properties of Porphyrins Conjugated with N-Heterocyclic Carbene (NHC)-Gold(I) Complexes. <i>Organometallics</i> , 2016, 35, 663-672.	2.3	27
23	From an Octakis(3-cyanopropyl)silsesquioxane Building Block to a Highly COOH-Functionalized Hybrid Organic-Inorganic Material. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 143-150.	2.0	26
24	Self-assembly and hybridization mechanisms of DNA with cationic polythiophene. <i>Soft Matter</i> , 2015, 11, 6460-6471.	2.7	24
25	Porphyrins fused to N-heterocyclic carbene palladium complexes as tunable precatalysts in Mizoroki-Heck reactions: How the porphyrin can modulate the apparent catalytic activity?. <i>Comptes Rendus Chimie</i> , 2016, 19, 94-102.	0.5	24
26	Probing excited state electronic communications across diethynyl-[2.2]paracyclophane-containing conjugated organometallic polymers. <i>Chemical Communications</i> , 2012, 48, 8640.	4.1	23
27	Interplay between Halogen Bonding and Lone Pair- π Interactions: A Computational and Crystal Packing Study. <i>ChemPlusChem</i> , 2014, 79, 552-558.	2.8	23
28	Targeted design leads to tunable photoluminescence from perylene dicarboxydiimide-poly(oxyalkylene)/siloxane hybrids for luminescent solar concentrators. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4049-4059.	5.5	23
29	Well-designed poly(3-hexylthiophene) as hole transporting material: A new opportunity for solid-state dye-sensitized solar cells. <i>Synthetic Metals</i> , 2017, 226, 157-163.	3.9	23
30	Synthesis and characterization of carboxystyryl end-functionalized poly(3-hexylthiophene)/TiO ₂ hybrids in view of photovoltaic applications. <i>Synthetic Metals</i> , 2012, 162, 1615-1622.	3.9	21
31	Chemistry and Electrochemistry of the Heterodinuclear Complex ClPd(dppm) ₂ PtCl: A M-M Bond Providing Site Selectivity. <i>Inorganic Chemistry</i> , 2006, 45, 1305-1315.	4.0	19
32	Probing the Electronic Communication of the Isocyanide Bridge Through the Luminescence Properties of the d ⁹ [ClPt($\frac{1}{4}$ -dppm) ₂ Pt(Ci- $\frac{1}{4}$ Ni-,PCP)] ⁺ and A-Frame [ClPd($\frac{1}{4}$ -dppm) ₂ ($\frac{1}{4}$ -Ci- \rightarrow Ni-,PCP)PdCl] Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 10816-10824.	4.0	19
33	Properties of the [M(dppm) ₂] ²⁺ Building Blocks (M, M ²⁺ = Pd or Pt): Site Selectivity, Emission Features, and Frontier Orbital Analysis. <i>Inorganic Chemistry</i> , 2009, 48, 4118-4133.	4.0	19
34	Supported thin flexible polymethylhydrosiloxane permeable films functionalised with silole groups: new approach for detection of nitroaromatics. <i>Journal of Materials Chemistry</i> , 2010, 20, 7100.	6.7	19
35	Synthesis of TiO ₂ -Poly(3-hexylthiophene) Hybrid Particles through Surface-Initiated Kumada Catalyst-Transfer Polycondensation. <i>Langmuir</i> , 2014, 30, 11340-11347.	3.5	19
36	All-conjugated cationic copolythiophene-rod-block copolyelectrolytes: synthesis, optical properties and solvent-dependent assembly. <i>Polymer Chemistry</i> , 2014, 5, 3352-3362.	3.9	18

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37	Molecular design of interfacial layers based on conjugated polythiophenes for polymer and hybrid solar cells. <i>Polymer International</i> , 2017, 66, 1333-1348.	3.1	18
38	Synthesis of stable free base secochlorins and their corresponding metal complexes from meso-tetraarylporphyrin derivatives. <i>Chemical Communications</i> , 2012, 48, 3460.	4.1	17
39	Cofacial porphyrin dimers assembled from N-heterocyclic carbeneâ€metal bonds. <i>Chemical Communications</i> , 2018, 54, 9603-9606.	4.1	17
40	A Cationic Tetraphenylethene as a Light-Up Supramolecular Probe for DNA G-Quadruplexes. <i>Frontiers in Chemistry</i> , 2019, 7, 493.	3.6	17
41	Reactivity of silyl-substituted heterobimetallic ironâ€platinum hydride complexes: Part III. Alkyne insertions into the platinumâ€hydride bond and competition between 1/4-vinylidene and dimetallacyclopentenone formation. <i>Inorganic Chemistry Communication</i> , 2006, 9, 127-131.	3.9	16
42	(2,2â€dibromovinyl)ferrocene as a Building Block for the Assembly of Heterodinuclear Complexes â€ Preparation of an fâ€Alkenylpalladium Complex and Dimetallic Dithioether Complexes. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 5052-5061.	2.0	16
43	Self-assembled conjugated polyelectrolyteâ€surfactant complexes as efficient cathode interlayer materials for bulk heterojunction organic solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23905-23916.	10.3	16
44	Diazachlorin and diazabacteriochlorin for one- and two-photon photodynamic therapy. <i>Chemical Communications</i> , 2018, 54, 13829-13832.	4.1	16
45	SH-functionalized cubic mesostructured silica as a support for small gold nanoparticles. <i>RSC Advances</i> , 2013, 3, 725-728.	3.6	14
46	Multifunctional Silica Nanoparticles Modified via Silylated-Decaborate Precursors. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-8.	2.7	14
47	Regioregular Polythiopheneâ€Porphyrin Supramolecular Copolymers for Optoelectronic Applications. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 445-458.	2.2	14
48	A self-assembly toolbox for thiophene-based conjugated polyelectrolytes: surfactants, solvent and copolymerisation. <i>Nanoscale</i> , 2017, 9, 17481-17493.	5.6	14
49	Aggregation-induced emission from silole-based lumophores embedded in organicâ€inorganic hybrid hosts. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13914-13925.	5.5	14
50	Expanding the light absorption of poly(3-hexylthiophene) by end-functionalization with f€-extended porphyrins. <i>Chemical Communications</i> , 2016, 52, 171-174.	4.1	13
51	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}]. <i>Journal of Organometallic Chemistry</i> , 2013, 724, 262-270.	1.8	11
52	2,5-Thiophene substituted spirobisiloles â€ synthesis, characterization, electrochemical properties and performance in bulk heterojunction solar cells. <i>New Journal of Chemistry</i> , 2013, 37, 464-473.	2.8	10
53	Detection of the Enzymatic Cleavage of DNA through Supramolecular Chiral Induction to a Cationic Polythiophene. <i>ACS Applied Bio Materials</i> , 2019, 2, 2125-2136.	4.6	10
54	In Depth Analysis of Photovoltaic Performance of Chlorophyll Derivative-Based â€All Solid-Stateâ€ Dye-Sensitized Solar Cells. <i>Molecules</i> , 2020, 25, 198.	3.8	10

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55	Molecular Systems Combining Porphyrinoids and Nâ€Heterocyclic Carbenes. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 776-791.	2.0	10
56	The First A-Frame-Containing Organometallic Polymer: Taking Advantage of the Site Selectivity in PdPt-Mixed Metal Bimetallics. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2008, 18, 104-110.	3.7	9
57	Use of Modified Colloids and Membranes to Remove Metal Ions from Contaminated Solutions. <i>Colloids and Interfaces</i> , 2018, 2, 19.	2.1	9
58	Synthesis and properties of a P3HT-based ABA triblock copolymer containing a perfluoropolyether central segment. <i>Synthetic Metals</i> , 2019, 252, 127-134.	3.9	9
59	Polythiophenes with Cationic Phosphonium Groups as Vectors for Imaging, siRNA Delivery, and Photodynamic Therapy. <i>Nanomaterials</i> , 2020, 10, 1432.	4.1	9
60	Molecular complexes and main-chain organometallic polymers based on Janus bis(carbenes) fused to metalloporphyrins. <i>Dalton Transactions</i> , 2020, 49, 7005-7014.	3.3	9
61	A facile synthesis of proton-conducting organicâ€inorganic membranes. <i>Journal of Membrane Science</i> , 2014, 470, 189-196.	8.2	8
62	Silole Amino Acids with Aggregationâ€Induced Emission Features Synthesized by Hydrosilylation. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2275-2281.	2.4	7
63	Supramolecular Selfâ€Assembly of DNA with a Cationic Polythiophene: From Polyplexes to Fibers. <i>ChemNanoMat</i> , 2019, 5, 703-709.	2.8	7
64	Synthesis, crystallographic and electrochemical study of ethynyl[2.2]paracyclophane-derived cobalt metallatetrahedranes. <i>Journal of Organometallic Chemistry</i> , 2012, 699, 56-66.	1.8	6
65	Sol-Gel Chemistry: From Molecule to Functional Materials. <i>Molecules</i> , 2020, 25, 2538.	3.8	6
66	New Layered Polythiophene-Silica Composite Through the Self-Assembly and Polymerization of Thiophene-Based Silylated Molecular Precursors. <i>Molecules</i> , 2018, 23, 2510.	3.8	5
67	Fluorescent Pâ€Hydroxyphosphole for Peptide Labeling through Pâ€N Bond Formation. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	5
68	A-Frame-Containing Organometallic Oligomers Constructed From Homo- and Heterobimetallic M(η^4 -dppm) $_2$ Mâ€ $_2$ (M/Mâ€ $_2$ = Pd, Pt) Building Blocks. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 2536-2546.	2.0	4
69	Structural and Photophysical Templating of Conjugated Polyelectrolytes with Single-Stranded DNA. <i>Chemistry of Materials</i> , 2020, 32, 7347-7362.	6.7	4
70	Binding Mode Multiplicity and Multiscale Chirality in the Supramolecular Assembly of DNA and a Î€â€Conjugated Polymer. <i>ChemPhysChem</i> , 2020, 21, 2543-2552.	2.1	4
71	Phosphoniumâ€based polythiophene conjugated polyelectrolytes with different surfactant counterions: thermal properties, selfâ€assembly and photovoltaic performances. <i>Polymer International</i> , 2021, 70, 457-466.	3.1	4
72	Synthesis, Selfâ€Assembly, and Nucleic Acid Recognition of an Acylhydrazoneâ€Conjugated Cationic Tetraphenylethene Ligand. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1123-1135.	2.4	4

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73	4,12-Bis(2,2-dibromovinyl)[2.2]paracyclophane. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o528-o528.	0.2	4
74	Bio-based porphyrins pyropheophorbide <i>in vitro</i> and its Zn-complex as visible-light photosensitizers for free-radical photopolymerization. <i>Polymer Chemistry</i> , 2022, 13, 1658-1671.	3.9	4
75	Synthesis, Characterization, and Encapsulation Properties of Rigid and Flexible Porphyrin Cages Assembled from <i>N</i> -Heterocyclic Carbene-Metal Bonds. <i>Inorganic Chemistry</i> , 2021, 60, 19009-19021.	4.0	4
76	Supramolecular Assemblies of DNA/Conjugated Polymers. <i>Materials and Energy</i> , 2018, , 139-157.	0.1	3
77	Linking triptycene to silole: a fruitful association. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2006-2017.	5.9	3
78	Synthesis, characterization and use of a POSS-arylamine based push-pull octamer. <i>New Journal of Chemistry</i> , 2021, 45, 6186-6191.	2.8	3
79	(<i>E</i>)-3-(2,3,4,5,6-Pentafluorostyryl)thiophene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o896-o897.	0.2	3
80	Carbonic Anhydrase Inhibitors Featuring a Porphyrin Scaffold: Synthesis, Optical and Biological Properties. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	3
81	Ladder-Like Versus Hexagonal Organic-Inorganic Hybrid Materials in the Extraction of Lead Ions. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2014, 24, 508-514.	3.7	2
82	Synthesis, characterization and modeling of self-assembled porphyrin nanorods. <i>Journal of Porphyrins and Phthalocyanines</i> , 2019, 23, 1346-1354.	0.8	2
83	Design of metalloporphyrins fused to imidazolium rings for binding DNA G-quadruplexes. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 340-349.	0.8	2
84	In vitro toxicity and photodynamic properties of porphyrinoids bearing imidazolium salts and <i>N</i> -heterocyclic carbene gold(I) complexes. <i>Comptes Rendus Chimie</i> , 2021, 24, 83-99.	0.5	2
85	(2,2-Dichlorovinyl)ferrocene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m334-m334.	0.2	1
86	Novel optical sensors for detection of nitroaromatics based on supported thin flexible poly(methylhydrosiloxane) permeable films functionalised with silole groups. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1
87	2-(2,2-Dibromoethenyl)thiophene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o481-o481.	0.2	1
88	Ladder-like aminopropylsilsesquioxane. A nice alternative for controlled drug delivery. <i>RSC Advances</i> , 2013, 3, 8160.	3.6	1
89	Synthesis, photophysical and electropolymerization properties of thiophene-substituted 2,3-diphenylbuta-1,3-dienes. <i>New Journal of Chemistry</i> , 2020, 44, 12556-12567.	2.8	1