Hugues Brisset

List of Publications by Year
in descending order

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92 papers	1,834 citations	304368 22 h-index	301761 39 g-index
100 all docs	100 docs citations	100 times ranked	2176 citing authors

#	Article	IF	Citations
1	Proquinoid acceptors as building blocks for the design of efficient Ï€-conjugated fluorophores with high electron affinity. Chemical Communications, 2000, , 939-940.	2.2	151
2	Phosphine-borane complexes; direct use in asymmetric catalysis. Tetrahedron Letters, 1993, 34, 4523-4526.	0.7	148
3	Î±,Ï‰-Distyryl Oligothiophenes:Â High Mobility Semiconductors for Environmentally Stable Organic Thin Film Transistors. Journal of the American Chemical Society, 2005, 127, 16346-16347.	6.6	125
4	Detection of Bisphenol A in aqueous medium by screen printed carbon electrodes incorporating electrochemical molecularly imprinted polymers. Biosensors and Bioelectronics, 2018, 112, 156-161.	5.3	74
5	Bridged Dithienylethylenes as Precursors of Small Bandgap Electrogenerated Conjugated Polymers. Journal of Organic Chemistry, 1997, 62, 2401-2408.	1.7	56
6	Efficient Synthesis of Substituted Dihydrotetraazapentacenes. Organic Letters, 2008, 10, 4013-4016.	2.4	50
7	Novel narrow bandgap polymers from sp3carbon-bridged bithienyls: poly(4,4-ethylenedioxy-4H-cyclopenta[2,1-b;3,4-bâ€²]dithiophene). Journal of the Chemical Society Chemical Communications, 1994, , 1305-1306.	2.0	47
8	A versatile electrochemical sensing receptor based on a molecularly imprinted polymer. Chemical Communications, 2014, 50, 7488.	2.2	47
9	Thiophene-based conjugated oligomers and polymers with high electron affinity. Advanced Materials, 1996, 8, 990-994.	11.1	44
10	Synthesis and thin film electronic properties of two pyrene-substituted oligothiophene derivatives. Journal of Materials Chemistry, 2006, 16, 2380.	6.7	44
11	Small bandgap molecular semiconductors based on rigidified tetrathiafulvaleneâ€“bithiophene hybrid conjugated systems. Journal of the Chemical Society Chemical Communications, 1994, , 1765-1766.	2.0	43
12	Effects of structure on the optical and redox properties of the oligothiophene- Tetrathiafulvalene hybrid system. Advanced Materials, 1994, 6, 841-845.	11.1	42
13	Electrogenerated conjugated polymers incorporating a ferrocene-derivatized-(3,4-ethylenedioxythiophene). Electrochemistry Communications, 2004, 6, 249-253.	2.3	42
14	A â€œKiteâ€•Shaped Styryl End-Capped Benzo[2,1-b:3,4-bâ€²]dithiophene with High Electrical Performances in Organic Thin Film Transistors. Journal of the American Chemical Society, 2008, 130, 17681-17683.	6.6	41
15	Highly Specific and Reversible Fluoride Sensor Based on an Organic Semiconductor. Analytical Chemistry, 2013, 85, 9968-9974.	3.2	39
16	Automated synthesis of new ferrocenyl-modified oligonucleotides: study of their properties in solution. Nucleic Acids Research, 2004, 32, 5310-5319.	6.5	38
17	Environmentally stable organic thin-films transistors: Terminal styryl vs central divinyl benzene building blocks for p-type oligothiophene semiconductors. Organic Electronics, 2006, 7, 465-473.	1.4	38
18	Electrogenerated small bandgap Ï€-conjugated polymers derived from substituted dithienylethylenes. Journal of the Chemical Society Chemical Communications, 1995, , 2309-2310.	2.0	32

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19	Hybrid Heterojunction Nanorods for Nanoscale Controlled Morphology in Bulk Heterojunction Solar Cells. Journal of Physical Chemistry C, 2011, 115, 10881-10888.	1.5	28
20	Electro-oxidation of tetra(terthienyl)silanes: Towards 3D electroactive Ï€-conjugated systems. Journal of Electroanalytical Chemistry, 1995, 381, 257-260.	1.9	26
21	Internally referenced analysis of charge-transfer reactions in a new ferrocenyl bithiophenic conducting polymer through cyclic voltammetry. Chemical Communications, 2008, , 6606.	2.2	25
22	Bridged 1,6-Dithienylhexa-1,3,5-trienes as Highly Photoluminescent and Stable Thiophene-Based Ï€-Conjugated Systems. Journal of Organic Chemistry, 1998, 63, 8310-8319.	1.7	23
23	Supported synthesis of ferrocene modified oligonucleotides as new electroactive DNA probes. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 2439-2441.	1.0	22
24	Influence of Phenyl Perfluorination on Charge Transport Properties of Distyryl-Oligothiophenes in Organic Field-Effect Transistors. Journal of Physical Chemistry C, 2009, 113, 1567-1574.	1.5	22
25	Assessment and modelling of Ni(II) retention by an ion-imprinted polymer: Application in natural samples. Journal of Colloid and Interface Science, 2015, 448, 473-481.	5.0	22
26	Characterization of PEDOT film functionalized with a series of automated synthesis ferrocenyl-containing oligonucleotides. Tetrahedron, 2005, 61, 3947-3952.	1.0	21
27	Effect of end-substitutions of distyryl-oligothiophenes by hexyl chains on environmental stability in organic thin film transistors. Organic Electronics, 2008, 9, 591-601.	1.4	21
28	Effect of template ionâ€“ligand complex stoichiometry on selectivity of ion-imprinted polymers. Talanta, 2015, 134, 538-545.	2.9	21
29	Electrochemical molecularly imprinted polymers as material for pollutant detection. Materials Today Communications, 2018, 17, 458-465.	0.9	21
30	Linearly extended hybrid tetrathiafulvalene analogues with bridged dithienylethyleneÏ€-conjugating spacers. Journal of Materials Chemistry, 1997, 7, 2027-2032.	6.7	20
31	Structure properties relationships of liquid crystal bent core organic semiconductors based on benzo[2,1-b:3,4-bâ€²]dithiophene-4,5-dione. Journal of Materials Chemistry, 2012, 22, 23159.	6.7	19
32	Bandgap control through reduction of bond length alternation in bridged poly(diethienylethylene)s. Chemical Communications, 1997, , 569-570.	2.2	18
33	Co-grafting of porphyrins and fullerenes on ZnO nanorods: Towards supramolecular donorâ€“acceptor assembly. Journal of Colloid and Interface Science, 2012, 386, 268-276.	5.0	18
34	Acetylenic spacers in phenylene end-substituted oligothiophene core for highly air-stable organic field-effect transistors. Physical Chemistry Chemical Physics, 2010, 12, 3845.	1.3	17
35	Synthesis, electrochemical and photochromic behaviour of a series of (1,4-dithiafulven-6-yl)substituted 3H-naphtho[2,1-b]pyran derivatives. Tetrahedron, 2005, 61, 423-428.	1.0	16
36	The first automated synthesis of ferrocene-labelled phosphorothioate DNA probe: A new potential tool for the fabrication of DNA microarrays. Biotechnology Journal, 2006, 1, 95-98.	1.8	16

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37	Electrosynthesis of a functional conducting polymer incorporating ferrocene unit from an EDOT-based bithiophenic precursor. Journal of Electroanalytical Chemistry, 2007, 603, 149-154.	1.9	16
38	All solution processed flexible ammonia gas and light sensors based on Î±,Ï‰-hexyl-distyrylbithiophene films. Sensors and Actuators B: Chemical, 2010, 151, 77-82.	4.0	15
39	96X Screen-Printed Gold Electrode Platform to Evaluate Electroactive Polymers as Marine Antifouling Coatings. Analytical Chemistry, 2018, 90, 4978-4981.	3.2	15
40	Chemical instability and methods for measurement of cisplatin adducts formed by interactions with cysteine and glutathione. International Journal of Clinical Pharmacology and Therapeutics, 2001, 39, 344-349.	0.3	15
41	A thermodynamic study of ferrocene modified hairpin oligonucleotides upon duplex formation: applications to the electrochemical detection of DNA. New Journal of Chemistry, 2009, 33, 1139.	1.4	14
42	Synthesis of electrochemical probes for nucleic acid detection. Sensors and Actuators B: Chemical, 2008, 132, 439-442.	4.0	13
43	Numerical and Experimental Investigation of Surface Plasmon Resonance Excitation Using Whispering Gallery Modes in Bent Metal-Clad Single-Mode Optical Fiber. Journal of Lightwave Technology, 2017, 35, 5425-5431.	2.7	13
44	Design, synthesis and redox properties of two ferrocene-containing iron chelators. Tetrahedron Letters, 2006, 47, 3371-3374.	0.7	12
45	p-Type and n-type quaterthiophene based semiconductors for thin film transistors operating in air?. Current Applied Physics, 2009, 9, 26-33.	1.1	12
46	Uncovering the behavior of screen-printed carbon electrodes modified with polymers molecularly imprinted with lipopolysaccharide. Electrochemistry Communications, 2021, 124, 106965.	2.3	12
47	Synthesis and first characterization of N-alkyldiaminoresorcinols. Tetrahedron Letters, 2006, 47, 5727-5731.	0.7	11
48	Investigation of crown-containing styrylthiophene derivatives which are optically and electrochemically sensitive to the presence of metal cations. Synthetic Metals, 2007, 157, 885-893.	2.1	11
49	Bioinspiration and Microtopography As Nontoxic Strategies for Marine Bioadhesion Control. Advanced Materials Interfaces, 2021, 8, 2100994.	1.9	11
50	Water-compatible electrogenerated poly(thiophenes) derived from linked EDOT-based bithiophenic precursors. Electrochemistry Communications, 2006, 8, 533-538.	2.3	10
51	Comparison of p-channel transistors based on Î±,Ï‰-hexyl-distyryl-bithiophene prepared using various film deposition methods. Thin Solid Films, 2010, 518, 5311-5320.	0.8	10
52	Application of unusual on/off electrochemical properties of a molecularly imprinted polymer based on an EDOTâ€“thiophene precursor for the detection of ephedrine. Electrochemistry Communications, 2018, 94, 45-48.	2.3	10
53	Core-cyanated distyryl-bithiophene: Synthesis and impact on charge transport in field-effect transistors. Thin Solid Films, 2010, 519, 578-586.	0.8	9
54	One-step preparation of molecularly imprinted hollow beads for pseudohypericin separation from Hypericum perforatum L. extracts. European Polymer Journal, 2018, 100, 48-56.	2.6	9

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55	Design, synthesis and electrochemical properties of a thiophene derivative functionalized with a siderophore-like chelator. Journal of Electroanalytical Chemistry, 2009, 626, 42-46.	1.9	8
56	Functionalization of â€˜kiteâ€™ shaped styryl end-capped benzodithiophene with ketone groups: synthesis, characterization and properties. Tetrahedron, 2011, 67, 1628-1632.	1.0	8
57	RAFT-synthesized polymers based on new ferrocenyl methacrylates and electrochemical properties. RSC Advances, 2015, 5, 77019-77026.	1.7	8
58	D/A cruciform bithiophene chromophores as potential molecular scaffolds for optoelectronic applications. Tetrahedron, 2016, 72, 1381-1386.	1.0	8
59	PolymÃ¨res conjuguÃ©s Ã faible bande interdite dÃ©rivÃ©s de bithiophÃ¨nes rigidifiÃ©s. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1995, 92, 771-774.	0.2	8
60	Novel crown-containing 3-styryl derivatives of oligothiophenes: synthesis, structure, and optical and electrochemical characteristics. Russian Chemical Bulletin, 2009, 58, 1509-1515.	0.4	7
61	Super-bridged thiophene-based conjugated systems with enhanced Ï€-electron delocalization, photoluminescence efficiency and stability. New Journal of Chemistry, 1998, 22, 547-549.	1.4	6
62	Perfluoroarene units in distyryl-oligothiophene analogues: An efficient electron density confinement preventing n-type transport in organic thin film transistors. Synthetic Metals, 2012, 162, 857-861.	2.1	6
63	Crystal structure of oligothiophene thin films characterized by two-dimensional grazing incidence X-ray diffraction. Japanese Journal of Applied Physics, 2014, 53, 01AD01.	0.8	6
64	Solution Growth and Structures of Semiconducting Distyryl-Oligothiophene. Molecular Crystals and Liquid Crystals, 2008, 491, 264-269.	0.4	5
65	Toward n-channel organic thin film transistors based on a distyryl-bithiophene derivatives. Tetrahedron, 2012, 68, 4664-4671.	1.0	5
66	Evaluation of Molecularly Imprinted Thin Films for Ephedrine Recognition. Materiale Plastice, 2019, 56, 865-874.	0.4	5
67	Development, Optimization, Biological Assays, and In Situ Field Immersion of a Transparent Piezoelectric Vibrating System for Antifouling Applications. Actuators, 2022, 11, 47.	1.2	5
68	Synthesis, structures, and optical and electrochemical characteristics of novel crown-containing polythiophene systems. Russian Chemical Bulletin, 2007, 56, 967-974.	0.4	4
69	Liquid Crystal Î±,Ï‰-Hexyl-Distyryl-Bithiophene: Morphology and Charge Tranport Properties in Organic Thin Film Transistors. Molecular Crystals and Liquid Crystals, 2009, 507, 178-187.	0.4	4
70	Electroactive polyacrylates bearing linear conjugated systems based on EDOT moieties. Polymer, 2017, 117, 17-24.	1.8	4
71	Electrochemical molecularly imprinted polymers in microelectrode devices. MRS Communications, 2020, 10, 324-331.	0.8	4
72	La rigidification : une stratÃ©gie efficace d'accÃ¨s Ã des polymÃ¨res et oligomÃ¨res conjuguÃ©s Ã faible bande interdite. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1995, 92, 767-770.	0.2	4

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73	PolydithiÃ©nylÃ©thylÃ¨nes solubles dÃ©rivÃ©s de prÃ©curseurs Ã structure pontÃ©e. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1998, 95, 1274-1277.	0.2	4
74	Characterization of in-plane structures of vapor deposited thin-films of distyryl-oligothiophenes by grazing incidence x-ray diffractometry. Crystal Research and Technology, 2007, 42, 1228-1231.	0.6	3
75	A New Active Organic Component for Flexible Ammonia Gas Sensors. Procedia Engineering, 2011, 25, 1069-1072.	1.2	3
76	Dibutylamino end-capped benzo[2,1-b:3,4-bâ€²]dithiophene-4,5-dione and benzo[2,1-b:3,4-bâ€²]dithiophene versus non modified analogues: contribution of amino groups. Tetrahedron, 2015, 71, 4079-4083.	1.0	3
77	Bacterial anti-adhesion activity based on the electrochemical properties of polymethacrylates bearing ferrocenyl pendant groups. Biofouling, 2018, 34, 1055-1063.	0.8	3
78	Advanced Electrochemical Molecularly Imprinted Polymer as Sensor Interfaces. Proceedings (mdpi), 2019, 15, 22.	0.2	3
79	Nouveaux systÃ¨mes conjuguÃ©s Ã Ã©tats redox multiples. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1998, 95, 1234-1237.	0.2	3
80	Nouveaux analogues Ã©tendus du tÃ©trathiafulvalÃ¨ne Ã espaceur conjuguÃ© rigide. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1998, 95, 1278-1281.	0.2	2
81	Molecularly Imprinted Polymer Pearls Obtained by Phase Inversion for the Selective Recognition of Hypericin. Materiale Plastice, 2019, 56, 315-320.	0.4	2
82	Highly photoluminescent and stable bridged dithienylhexatrienes. Synthetic Metals, 1999, 102, 1162.	2.1	1
83	Thin-film structure of semiconducting end-capped oligothiophenes. Journal of Physics: Conference Series, 2007, 83, 012026.	0.3	1
84	Inkjet printing of new photosensitive sensors based on organic thin films. , 2008, , .		1
85	In situ Structural Study of Organic Semiconductor Thin Films. Materials Research Society Symposia Proceedings, 2012, 1402, 54.	0.1	1
86	The effect of air exposure on the crystal structure of oligo-thiophene thin films investigated using in situ X-ray diffraction. Journal of Crystal Growth, 2017, 468, 816-820.	0.7	1
87	Control of the optical properties upon a reversible [2+2] cycloaddition of	1.0	1
88	Organic Thin Film Transistors Based on Distyryl-Oligothiophenes: Role of AFM Images in Analyses of Charge Transport Properties. Open Journal of Applied Sciences, 2012, 02, 283-293.	0.2	1
89	EC2.2 - Screen printed carbon electrodes incorporating electrochemical molecularly imprinted polymers to detect pollutant. , 2018, , .		1
90	The Rigidification of the x-Conjugated System: An Effcient New Strategy Towards Small Bandgap Semi-Conductors. Phosphorus, Sulfur and Silicon and the Related Elements, 1994, 95, 513-514.	0.8	0

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91	Conducting and semiconducting end-capped oligothiophenes for thin films devices in organic electronics. , 2006, , .		0
92	Pontage du 1,6-dithiÃ©nyl hexa-1,3,5-triÃ¨ne : vers la rigidification de polyÃ¨nes. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1998, 95, 1262-1265.	0.2	0