

Benoit Domercq

List of Publications by Year in descending order

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34
papers

3,173
citations

279701

23
h-index

454834

30
g-index

34
all docs

34
docs citations

34
times ranked

4290
citing authors

#	ARTICLE	IF	CITATIONS
1	A High-Mobility Electron-Transport Polymer with Broad Absorption and Its Use in Field-Effect Transistors and All-Polymer Solar Cells. <i>Journal of the American Chemical Society</i> , 2007, 129, 7246-7247.	6.6	1,110
2	Interface modification of ITO thin films: organic photovoltaic cells. <i>Thin Solid Films</i> , 2003, 445, 342-352.	0.8	184
3	Stability of Doped Transparent Carbon Nanotube Electrodes. <i>Advanced Functional Materials</i> , 2008, 18, 2548-2554.	7.8	183
4	Intensity-dependent equivalent circuit parameters of organic solar cells based on pentacene and C60. <i>Journal of Applied Physics</i> , 2005, 97, 103706.	1.1	176
5	Copolymers of perylene diimide with dithienothiophene and dithienopyrrole as electron-transport materials for all-polymer solar cells and field-effect transistors. <i>Journal of Materials Chemistry</i> , 2009, 19, 5794.	6.7	165
6	Analysis of improved photovoltaic properties of pentacene/C60 organic solar cells: Effects of exciton blocking layer thickness and thermal annealing. <i>Solid-State Electronics</i> , 2007, 51, 1367-1375.	0.8	117
7	Room-temperature discotic liquid-crystalline coronene diimides exhibiting high charge-carrier mobility in air. <i>Journal of Materials Chemistry</i> , 2009, 19, 6688.	6.7	107
8	High Charge-Carrier Mobility in an Amorphous Hexaazatrinaphthylene Derivative. <i>Journal of the American Chemical Society</i> , 2005, 127, 16358-16359.	6.6	95
9	Electron-Transport Properties and Use in Organic Light-Emitting Diodes of a Bis(dioxaborine)fluorene Derivative. <i>Journal of Physical Chemistry B</i> , 2004, 108, 8647-8651.	1.2	94
10	Synthesis, Ionisation Potentials and Electron Affinities of Hexaazatrinaphthylene Derivatives. <i>Chemistry - A European Journal</i> , 2007, 13, 3537-3547.	1.7	88
11	Photo-Patternable Hole-Transport Polymers for Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2003, 15, 1491-1496.	3.2	86
12	A Nonvolatile Organic Memory Device Using ITO Surfaces Modified by Ag Nanodots. <i>Advanced Functional Materials</i> , 2008, 18, 1112-1118.	7.8	78
13	Synthesis and Characterization of Polymerizable Phosphorescent Platinum(II) Complexes for Solution-Processible Organic Light-Emitting Diodes. <i>Organometallics</i> , 2007, 26, 4816-4829.	1.1	69
14	Optimization of Orange-Emitting Electrophosphorescent Copolymers for Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2008, 18, 3056-3062.	7.8	67
15	Norbornene-Based Copolymers with Iridium Complexes and Bis(carbazolyl)fluorene Groups in Their Side-Chains and Their Use in Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2007, 19, 5602-5608.	3.2	65
16	Thermal transport properties of thin films of small molecule organic semiconductors. <i>Applied Physics Letters</i> , 2005, 87, 241908.	1.5	63
17	High electron mobility in nickel bis(dithiolene) complexes. <i>Journal of Materials Chemistry</i> , 2007, 17, 2642.	6.7	61
18	Interplay of Structural Flexibility and Crystal Packing in a Series of Paramagnetic Cyclopentadienyl/Dithiolene Mo and W Complexes: Evidence for Molecular Spin Ladders. <i>Chemistry - A European Journal</i> , 1998, 4, 1714-1723.	1.7	56

#	ARTICLE	IF	CITATIONS
19	Small Molecule Chemisorption on Indium ⁺ Tin Oxide Surfaces: Enhancing Probe Molecule Electron-Transfer Rates and the Performance of Organic Light-Emitting Diodes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 25191-25202.	1.2	48
20	A Density Functional Study of the Highly Adaptable Molecular Structure of Mo(V) and W(V) Dithiolene Complexes: From Three-Dimensional Antiferromagnet to Spin Ladder. <i>Inorganic Chemistry</i> , 2001, 40, 371-378.	1.9	42
21	Fluorenyl-substituted silole molecules: geometric, electronic, optical, and device properties. <i>Journal of Materials Chemistry</i> , 2008, 18, 3157.	6.7	41
22	Effect of Substitution on the Hole Mobility of Bis(diarylamino)biphenyl Derivatives Doped in Poly(Styrene). <i>Chemistry of Materials</i> , 2003, 15, 994-999.	3.2	37
23	Synthesis of acrylate and norbornene polymers with pendant 2,7-bis(diarylamino)fluorene hole-transport groups. <i>Tetrahedron</i> , 2004, 60, 7169-7176.	1.0	33
24	Anisotropies in the electrical properties of rod-like aggregates of liquid crystalline phthalocyanines: Direct current conductivities and field-effect mobilities. <i>Journal of Materials Research</i> , 2004, 19, 2087-2099.	1.2	23
25	Organic light-emitting diodes with multiple photocrosslinkable hole-transport layers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 2726-2732.	2.4	20
26	A Comparative Study of Charge Mobility Measurements in a Diamine and in a Hexaazatrinaphthylene Using Different Techniques. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 481, 80-93.	0.4	18
27	Synthesis of Photo-Crosslinkable Hole-Transport Polymers with Tunable Oxidation Potentials And Their Use In Organic Light-Emitting Diodes. <i>Synthesis</i> , 2002, 2002, 1201.	1.2	15
28	Synthesis, electron mobility, and electroluminescence of a polynorbornene-supported silole. <i>Polymer</i> , 2009, 50, 397-403.	1.8	15
29	Radical Cation Salts with the Nonplanar [ReO(dmit) ₂] ⁺ Complex. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 1625-1629.	1.0	14
30	High performance polymer/BaTiO ₃ nanocomposites based on surface-modified metal oxide nanoparticles using functional phosphonic acids for electronic applications. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1113, 1.	0.1	2
31	Fullerene Based n-type Organic Thin-Film Transistors. <i>Materials Research Society Symposia Proceedings</i> , 2005, 871, 1.	0.1	1
32	Synthesis of Acrylate and Norbornene Polymers with Pendant 2,7-Bis(diarylamino)fluorene Hole-Transport Groups. <i>ChemInform</i> , 2004, 35, no.	0.1	0
33	Molecular Multilayer Organic Solar Cells with Large Excitonic Diffusion Length. <i>Materials Research Society Symposia Proceedings</i> , 2006, 965, 1.	0.1	0
34	Highly-efficient green phosphorescent organic light-emitting diodes with hybrid device geometry. <i>Proceedings of SPIE</i> , 2008, , .	0.8	0