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Organic transistors and phototransistors based on small molecules

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#	Paper	IF	Citations
85	A liquid crystalline copper phthalocyanine derivative for high performance organic thin film transistors. <i>Journal of Materials Chemistry</i> , 2012 , 22, 19179		39
84	Current Enhancement Phenomenon Caused by the Reversible Charge Trapping Effect Under Photoirradiation on Pentacene Field-Effect Transistors. <i>IEEE Electron Device Letters</i> , 2012 , 33, 1765-1767	4.4	2
83	A diketopyrrolopyrrole containing molecular semiconductor: Synthesis, characterization and solution-processed 1D-microwire based electronic devices. <i>Organic Electronics</i> , 2012 , 13, 2553-2560	3.5	28
82	The origin and development of (plastic) organic electronics. <i>Polymer International</i> , 2012 , 61, 337-341	3.3	11
81	Multi-functional integration of organic field-effect transistors (OFETs): advances and perspectives. <i>Advanced Materials</i> , 2013 , 25, 313-30	24	254
80	Towards molecular ribbons of corannulene. <i>Chemistry - A European Journal</i> , 2013 , 19, 13199-206	4.8	18
79	Organic light detectors: photodiodes and phototransistors. <i>Advanced Materials</i> , 2013 , 25, 4267-95	24	913
78	Highly specific and reversible fluoride sensor based on an organic semiconductor. <i>Analytical Chemistry</i> , 2013 , 85, 9968-74	7.8	33
77	Organic Semiconductors in Organic Thin-Film Transistor-Based Chemical and Biological Sensors. <i>Polymer Reviews</i> , 2013 , 53, 352-406	14	108
76	Conjugated metallorganic macrocycles: opportunities for coordination-driven planarization of bidentate, pyridine-based ligands. <i>Dalton Transactions</i> , 2013 , 42, 948-58	4.3	7
75	An unsymmetrical pentacene derivative with ambipolar behavior in organic thin-film transistors. <i>Chemical Communications</i> , 2013 , 49, 6725-7	5.8	22
74	Controlling interfacial electron transfer and electrocatalysis by pH- or ion-switchable DNA monolayer-modified electrodes. <i>Chemical Science</i> , 2013 , 4, 1137	9.4	35
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72	Isomeric carbazolocarbazoles: synthesis, characterization and comparative study in Organic Field Effect Transistors. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 1959	7.1	32
71	Aryl substitution of pentacenes. <i>Beilstein Journal of Organic Chemistry</i> , 2014 , 10, 1692-705	2.5	10
70	Spectroscopic analysis of electron trapping levels in pentacene field-effect transistors. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 335103	3	3
69	Substrate templating guides the photoinduced reaction of C60 on calcite. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 7952-5	16.4	25

68	Templatgesteuerte Photoreaktion von C60 auf Calcit. <i>Angewandte Chemie</i> , 2014 , 126, 8087-8090	3.6	1
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65	Vertical organic field effect phototransistor with two dissimilar source and drain contacts. <i>Thin Solid Films</i> , 2014 , 562, 525-529	2.2	4
64	Spectral, electrochemical and thermal characteristics of glass forming hydrazine derivatives. <i>Optical Materials</i> , 2014 , 37, 498-510	3.3	2
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60	Anisotropic perylene diimide/polycarbonate composites produced by a single batch solution based method. <i>Thin Solid Films</i> , 2014 , 564, 361-366	2.2	5
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38	Tuning Optical Properties of Dibenzochrysenes by Functionalization: A Many-Body Perturbation Theory Study. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 24480-24488	3.8	8
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