

Solid-State Packing of Conjugated Oligomers: From π - π Stacking to π - π Stacking

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Introduction to Organic Thin Film Transistors and Design of n-Channel Organic Semiconductors. <i>Chemistry of Materials</i> , 2004, 16, 4436-4451.	3.2	1,256
3	Tetrathiafulvalenes, Oligoacenes, and Their Buckminsterfullerene Derivatives: The Brick and Mortar of Organic Electronics. <i>Chemical Reviews</i> , 2004, 104, 4891-4946.	23.0	1,606
4	Molecular Modeling of Crystalline Oligothiophenes: Testing and Development of Improved Force Fields. <i>Journal of Physical Chemistry B</i> , 2004, 108, 18053-18064.	1.2	69
5	Crystal Structure and Magnetic Behaviour of the New Gadolinium Complex Compound Gd ₂ (ClH ₂ CCOO) ₆ (bipy) ₂ . <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 4486-4489.	1.0	42
6	A Zone-Casting Technique for Device Fabrication of Field-Effect Transistors Based on Discotic Hexa-peri-hexabenzocoronene. <i>Advanced Materials</i> , 2005, 17, 684-689.	11.1	612
7	Transport Properties in the Rubrene Crystal: Electronic Coupling and Vibrational Reorganization Energy. <i>Advanced Materials</i> , 2005, 17, 1072-1076.	11.1	409
8	The Versatile Thiophene: An Overview of Recent Research on Thiophene-Based Materials. <i>Advanced Materials</i> , 2005, 17, 1581-1593.	11.1	465
9	Crystalline Thin Film of a Donor- Substituted Cyanoethynylethene for Nanoscale Data Recording Through Intermolecular Charge-Transfer Interactions. <i>Advanced Materials</i> , 2005, 17, 2170-2173.	11.1	52
10	Substituent effects on the structure and supramolecular assembly of bis(dioxaborole)s. <i>Chemical Communications</i> , 2005, , 5166.	2.2	25
11	Metal-containing conjugated materials: oligomers, polymers, and nanomaterials. <i>Journal of Materials Chemistry</i> , 2005, 15, 2433.	6.7	41
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13	Self-Organized Perylene Diimide Nanofibers. <i>Journal of Physical Chemistry B</i> , 2005, 109, 724-730.	1.2	127
14	Organic Field Effect Transistors Based on Biphenyl, Fluorene End-Capped Fused Bithiophene Oligomers. <i>Chemistry of Materials</i> , 2005, 17, 3861-3870.	3.2	51
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17	Computational Study of the Structure, Dynamics, and Photophysical Properties of Conjugated Polymers and Oligomers under Nanoscale Confinement. <i>Journal of Physical Chemistry B</i> , 2005, 109, 7671-7685.	1.2	77
18	General Synthesis of Thiophene and Selenophene-Based Heteroacenes. <i>Organic Letters</i> , 2005, 7, 5301-5304.	2.4	163
19	Solid-state optical properties of linear polyconjugated molecules: π -stack contra herringbone. <i>Journal of Chemical Physics</i> , 2005, 123, 144914.	1.2	187

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21	Thermally Induced Solid-State Phase Transition of Bis(triisopropylsilylethynyl) Pentacene Crystals. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16397-16403.	1.2	113
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27	Optimizing the Thin Film Morphology of Organic Field-Effect Transistors: The Influence of Molecular Structure and Vacuum Deposition Parameters on Device Performance. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , 2006, 46, 79-101.	2.2	54
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40	Phase transition and electronic properties of fluorene: A joint experimental and theoretical high-pressure study. <i>Physical Review B</i> , 2006, 73, .	1.1	26
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43	Influence of Alkyl Chain Length on the Solid-State Packing and Fluorescence of 1,4,5,8-Tetra(alkyl)anthracenes. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 474, 119-135.	0.4	24
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53	Interchain Impacts on Electronic Structures of Heterocyclic Oligomers and Polymers Containing Group 14, 15, and 16 Heteroatoms: A Quantum Chemical Calculations in Combination with Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2007, 111, 11670-11679.	1.2	38
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58	Synthesis of Ladder-Type π -Conjugated Heteroacenes via Palladium-Catalyzed Double N-Arylation and Intramolecular O-Arylation. <i>Journal of Organic Chemistry</i> , 2007, 72, 5119-5128.	1.7	143
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73	N-type field-effect transistor based on a fluorinated-graphene. <i>Organic Electronics</i> , 2008, 9, 328-332.	1.4	41
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103	A Densely and Uniformly Packed Organic Semiconductor Based on Annelated <i>tr</i> thiophenes for High-Performance Thin Film Transistors. <i>Advanced Functional Materials</i> , 2009, 19, 272-276.	7.8	88
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