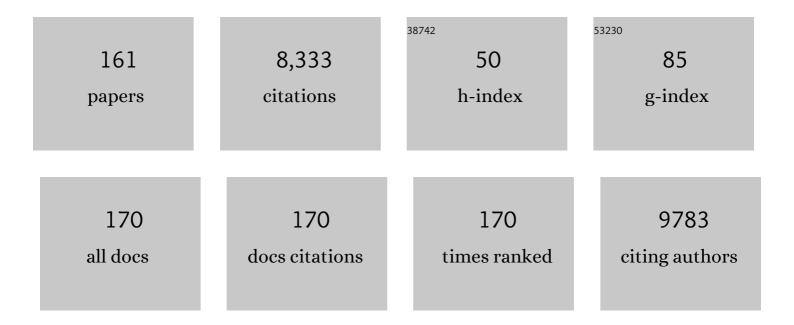
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Thermomechanical enhancement of <scp>DPPâ€4T</scp> through purposeful <scp>π onjugation</scp> disruption. Journal of Polymer Science, 2022, 60, 559-568.	3.8	5
2	The Solution is the Solution: Data-Driven Elucidation of Solution-to-Device Feature Transfer for ï€-Conjugated Polymer Semiconductors. ACS Applied Materials & Interfaces, 2022, 14, 3613-3620.	8.0	16
3	Unveiling the structural, electronic, and optical effects of carbon-doping on multi-layer anatase TiO2 (1 0 1) and the impact on photocatalysis. Applied Surface Science, 2022, 586, 152641.	6.1	12
4	Computational characterization of charge transport resiliency in molecular solids. Molecular Systems Design and Engineering, 2022, 7, 651-660.	3.4	1
5	Challenges in Information-Mining the Materials Literature: A Case Study and Perspective. Chemistry of Materials, 2022, 34, 4821-4827.	6.7	3
6	The role of crystal packing on the optical response of trialkyltetrelethynyl acenes. Journal of Chemical Physics, 2022, 157, .	3.0	3
7	Steric Manipulation as a Mechanism for Tuning the Reduction and Oxidation Potentials of Phenothiazines. Journal of Physical Chemistry A, 2021, 125, 272-278.	2.5	9
8	Synthesis, structures, and reactivity of isomers of [RuCp*(1,4-(Me2N)2C6H4)]2. Dalton Transactions, 2021, 50, 13020-13030.	3.3	3
9	n-type charge transport in heavily p-doped polymers. Nature Materials, 2021, 20, 518-524.	27.5	66
10	A molecular interaction–diffusion framework for predicting organic solar cell stability. Nature Materials, 2021, 20, 525-532.	27.5	212
11	Reactivity of an air-stable dihydrobenzoimidazole n-dopant with organic semiconductor molecules. CheM, 2021, 7, 1050-1065.	11.7	40
12	Suppressing bias stress degradation in high performance solution processed organic transistors operating in air. Nature Communications, 2021, 12, 2352.	12.8	48
13	OCELOT: An infrastructure for data-driven research to discover and design crystalline organic semiconductors. Journal of Chemical Physics, 2021, 154, 174705.	3.0	23
14	Modification of the LiFePO ₄ (010) Surface Due to Exposure to Atmospheric Gases. ACS Applied Materials & Interfaces, 2021, 13, 29034-29040.	8.0	10
15	Evolution of Chain Dynamics and Oxidation States with Increasing Chain Length for a Donor–Acceptor-Conjugated Oligomer Series. Macromolecules, 2021, 54, 8207-8219.	4.8	11
16	Genetic Algorithms and Machine Learning for Predicting Surface Composition, Structure, and Chemistry: A Historical Perspective and Assessment. Chemistry of Materials, 2021, 33, 6589-6615.	6.7	8
17	Lowering Electrocatalytic CO ₂ Reduction Overpotential Using N-Annulated Perylene Diimide Rhenium Bipyridine Dyads with Variable Tether Length. Journal of the American Chemical Society, 2021, 143, 16849-16864.	13.7	15
18	What is special about silicon in functionalised organic semiconductors?. Materials Advances, 2021, 2, 5415-5421.	5.4	8

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#	Article	IF	CITATIONS
19	Group 14 effects in alkynyl acene small molecule semiconductors. , 2021, , .		0
20	Reconsidering the Roles of Noncovalent Intramolecular "Locks―in π-Conjugated Molecules. Chemistry of Materials, 2021, 33, 9139-9151.	6.7	8
21	Biotinylation as a tool to enhance the uptake of small molecules in Gram-negative bacteria. PLoS ONE, 2021, 16, e0260023.	2.5	4
22	Nanoribbons or weakly connected acenes? The influence of pyrene insertion on linearly extended ring systems. Journal of Materials Chemistry C, 2021, 9, 16929-16934.	5.5	3
23	Combined Computational and Experimental Approach to Determine and Understand the Solubility of Phenothiazines as Redoxmers. ECS Meeting Abstracts, 2021, MA2021-02, 1679-1679.	0.0	0
24	Understanding the effect of host structure of nitrogen doped ultrananocrystalline diamond electrode on electrochemical carbon dioxide reduction. Carbon, 2020, 157, 408-419.	10.3	46
25	Rational Functionalization of a C ₇₀ Buckybowl To Enable a C ₇₀ :Buckybowl Cocrystal for Organic Semiconductor Applications. Journal of the American Chemical Society, 2020, 142, 2460-2470.	13.7	48
26	Nitration of benzothioxanthene: towards a new class of dyes with versatile photophysical properties. New Journal of Chemistry, 2020, 44, 900-905.	2.8	12
27	A Genetic Algorithmic Approach to Determine the Structure of Li–Al Layered Double Hydroxides. Journal of Chemical Information and Modeling, 2020, 60, 4845-4855.	5.4	4
28	Synthesis and electronic properties of a linearly fused anthracene dimer. Tetrahedron Letters, 2020, 61, 152182.	1.4	4
29	Acid dyeing for green solvent processing of solvent resistant semiconducting organic thin films. Materials Horizons, 2020, 7, 2959-2969.	12.2	24
30	Determination of the Free Energies of Mixing of Organic Solutions through a Combined Molecular Dynamics and Bayesian Statistics Approach. Journal of Chemical Information and Modeling, 2020, 60, 1424-1431.	5.4	6
31	Exploiting Excited-State Aromaticity To Design Highly Stable Singlet Fission Materials. Journal of the American Chemical Society, 2019, 141, 13867-13876.	13.7	104
32	Even–Odd Alkyl Chain-Length Alternation Regulates Oligothiophene Crystal Structure. Chemistry of Materials, 2019, 31, 6900-6907.	6.7	22
33	Noncovalent Close Contacts in Fluorinated Thiophene–Phenylene–Thiophene Conjugated Units: Understanding the Nature and Dominance of O···H versus S···F and O···F Interactions with Respect to the Control of Polymer Conformation. Chemistry of Materials, 2019, 31, 7070-7079.	6.7	23
34	Festschrift in Honor of Prof. Jean-Luc Brédas on His 65th Birthday. Chemistry of Materials, 2019, 31, 6307-6308.	6.7	2
35	Organic Semiconductors Derived from Dinaphtho-Fused <i>s</i> -Indacenes: How Molecular Structure and Film Morphology Influence Thin-Film Transistor Performance. Chemistry of Materials, 2019, 31, 6962-6970.	6.7	41
36	Impact of Atomistic Substitution on Thin-Film Structure and Charge Transport in a Germanyl-ethynyl Functionalized Pentacene. Chemistry of Materials, 2019, 31, 6615-6623.	6.7	24

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37	Enhancing CO2 absorption for post-combustion carbon capture via zinc-based biomimetic catalysts in industrially relevant amine solutions. International Journal of Greenhouse Gas Control, 2019, 85, 156-165.	4.6	11
38	Bis(tercarbazole) pyrene and tetrahydropyrene derivatives: photophysical and electrochemical properties, theoretical modeling, and OLEDs. Journal of Materials Chemistry C, 2019, 7, 5009-5018.	5.5	16
39	Near-Infrared-Absorbing Indolizine-Porphyrin Push–Pull Dye for Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 16474-16489.	8.0	48
40	Triperyleno[3,3,3]propellane triimides: achieving a new generation of quasi- <i>D</i> _{3h} symmetric nanostructures in organic electronics. Chemical Science, 2019, 10, 4951-4958.	7.4	18
41	Deconstructing the behavior of donor–acceptor copolymers in solution & the melt: the case of PTB7. Physical Chemistry Chemical Physics, 2019, 21, 7802-7813.	2.8	10
42	Oxidation Pathways Involving a Sulfide-Endcapped Donor–Acceptor–Donor π-Conjugated Molecule and Antimony(V) Chloride. Journal of Physical Chemistry B, 2019, 123, 3866-3874.	2.6	7
43	Organometallic hydride-transfer agents as reductants for organic semiconductor molecules. Inorganica Chimica Acta, 2019, 489, 67-77.	2.4	8
44	Chemical Stabilities of the Lowest Triplet State in Aryl Sulfones and Aryl Phosphine Oxides Relevant to OLED Applications. Chemistry of Materials, 2019, 31, 1507-1519.	6.7	29
45	Solvent–Molecule Interactions Govern Crystal-Habit Selection in Naphthalene Tetracarboxylic Diimides. Chemistry of Materials, 2019, 31, 9691-9698.	6.7	6
46	Computationally aided design of a high-performance organic semiconductor: the development of a universal crystal engineering core. Chemical Science, 2019, 10, 10543-10549.	7.4	22
47	Positional Effects from σ-Bonded Platinum(II) on Intersystem Crossing Rates in Perylenediimide Complexes: Synthesis, Structures, and Photophysical Properties. Journal of Physical Chemistry C, 2018, 122, 13848-13862.	3.1	18
48	Bond Ellipticity Alternation: An Accurate Descriptor of the Nonlinear Optical Properties of l€-Conjugated Chromophores. Journal of Physical Chemistry Letters, 2018, 9, 1377-1383.	4.6	22
49	Delimited Polyacenes: Edge Topology as a Tool To Modulate Carbon Nanoribbon Structure, Conjugation, and Mobility. Chemistry of Materials, 2018, 30, 947-957.	6.7	21
50	Effect of Halogenation on the Energetics of Pure and Mixed Phases in Model Organic Semiconductors Composed of Anthradithiophene Derivatives and C ₆₀ . Journal of Physical Chemistry C, 2018, 122, 4757-4767.	3.1	8
51	On the Molecular Origin of Charge Separation at the Donor–Acceptor Interface. Advanced Energy Materials, 2018, 8, 1702232.	19.5	51
52	Bromination of the benzothioxanthene Bloc: toward new π-conjugated systems for organic electronic applications. Journal of Materials Chemistry C, 2018, 6, 761-766.	5.5	18
53	Impact of rotamer diversity on the self-assembly of nearly isostructural molecular semiconductors. Journal of Materials Chemistry A, 2018, 6, 383-394.	10.3	18
54	Magnetic ordering in a vanadium-organic coordination polymer using a pyrrolo[2,3- <i>d</i> :5,4- <i>d</i> ′]bis(thiazole)-based ligand. RSC Advances, 2018, 8, 36223-36232.	3.6	4

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55	Exploring thermal transitions in anthradithiophene-based organic semiconductors to reveal structure-packing relationships. Journal of Materials Chemistry C, 2018, 6, 10924-10934.	5.5	4
56	Presence of Short Intermolecular Contacts Screens for Kinetic Stability in Packing Polymorphs. Journal of the American Chemical Society, 2018, 140, 7519-7525.	13.7	29
57	Donor or Acceptor? How Selection of the Rylene Imide End Cap Impacts the Polarity of ï€-Conjugated Molecules for Organic Electronics. ACS Applied Energy Materials, 2018, 1, 4906-4916.	5.1	34
58	Beyond the Hammett Effect: Using Strain to Alter the Landscape of Electrochemical Potentials. ChemPhysChem, 2017, 18, 2142-2146.	2.1	10
59	Assessment of Front-Substituted Zwitterionic Cyanine Polymethines for All-Optical Switching Applications. Journal of Physical Chemistry C, 2017, 121, 14166-14175.	3.1	10
60	A stable two-electron-donating phenothiazine for application in nonaqueous redox flow batteries. Journal of Materials Chemistry A, 2017, 5, 24371-24379.	10.3	105
61	An unsymmetrical non-fullerene acceptor: synthesis via direct heteroarylation, self-assembly, and utility as a low energy absorber in organic photovoltaic cells. Chemical Communications, 2017, 53, 10168-10171.	4.1	31
62	Crossover from band-like to thermally activated charge transport in organic transistors due to strain-induced traps. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6739-E6748.	7.1	77
63	Theory-Driven Insight into the Crystal Packing of Trialkylsilylethynyl Pentacenes. Chemistry of Materials, 2017, 29, 2502-2512.	6.7	30
64	Noncovalent Interactions in Organic Electronic Materials. , 2017, , 277-302.		10
65	Unusual Electronic Structure of the Donor–Acceptor Cocrystal Formed by Dithieno[3,2- <i>a</i> :2′,3′- <i>c</i>]phenazine and 7,7,8,8-Tetracyanoquinodimethane. Journal of Physical Chemistry Letters, 2017, 8, 4510-4515.	4.6	15
66	Indacenodibenzothiophenes: synthesis, optoelectronic properties and materials applications of molecules with strong antiaromatic character. Chemical Science, 2016, 7, 5547-5558.	7.4	103
67	Impact of Molecular Orientation and Packing Density on Electronic Polarization in the Bulk and at Surfaces of Organic Semiconductors. ACS Applied Materials & Interfaces, 2016, 8, 14053-14062.	8.0	39
68	Noncovalent Interactions and Impact of Charge Penetration Effects in Linear Oligoacene Dimers and Single Crystals. Chemistry of Materials, 2016, 28, 3990-4000.	6.7	37
69	To bend or not to bend $\hat{a} \in$ are heteroatom interactions within conjugated molecules effective in dictating conformation and planarity?. Materials Horizons, 2016, 3, 333-339.	12.2	78
70	Work function reduction by a redox-active organometallic sandwich complex. Organic Electronics, 2016, 37, 263-270.	2.6	2
71	Understanding the Relationships Among Molecular Structure, Excited-State Properties, and Polarizabilities of π-Conjugated Chromophores. Materials and Energy, 2016, , 393-419.	0.1	1
72	High current density, long duration cycling of soluble organic active species for non-aqueous redox flow batteries. Energy and Environmental Science, 2016, 9, 3531-3543.	30.8	196

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73	Packing and Disorder in Substituted Fullerenes. Journal of Physical Chemistry C, 2016, 120, 17242-17250.	3.1	28
74	Polarization Energies at Organic–Organic Interfaces: Impact on the Charge Separation Barrier at Donor–Acceptor Interfaces in Organic Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 15524-15534.	8.0	29
75	Parallel and Perpendicular Packing in Mixed-Stack Cocrystals of Trimeric Perfluoro- <i>ortho</i> -phenylene Mercury and Benzo[1,2- <i>b</i> :6,5- <i>b</i> ′]dithiophene-4,5-dione Derivatives. Crystal Growth and Design, 2016, 16, 2190-2200.	3.0	3
76	Characterizing the Polymer:Fullerene Intermolecular Interactions. Chemistry of Materials, 2016, 28, 1446-1452.	6.7	20
77	Mixed-Valence Cations of Di(carbazol-9-yl) Biphenyl, Tetrahydropyrene, and Pyrene Derivatives. Journal of Physical Chemistry C, 2016, 120, 3156-3166.	3.1	19
78	Strain effects on the work function of an organic semiconductor. Nature Communications, 2016, 7, 10270.	12.8	74
79	Intrinsic Properties of Two Benzodithiophene-Based Donor–Acceptor Copolymers Used in Organic Solar Cells: A Quantum-Chemical Approach. Journal of Physical Chemistry A, 2016, 120, 1051-1064.	2.5	8
80	Overcharge protection of lithium-ion batteries above 4 V with a perfluorinated phenothiazine derivative. Journal of Materials Chemistry A, 2016, 4, 5410-5414.	10.3	24
81	On the impact of isomer structure and packing disorder in thienoacene organic semiconductors. Journal of Materials Chemistry C, 2016, 4, 4040-4048.	5.5	28
82	Mapping the configuration dependence of electronic coupling in organic semiconductors. Journal of Materials Chemistry C, 2016, 4, 3825-3832.	5.5	13
83	Noncovalent Intermolecular Interactions in Organic Electronic Materials: Implications for the Molecular Packing vs Electronic Properties of Acenes. Chemistry of Materials, 2016, 28, 3-16.	6.7	215
84	nâ€Đopants Based on Dimers of Benzimidazoline Radicals: Structures and Mechanism of Redox Reactions. Chemistry - A European Journal, 2015, 21, 10878-10885.	3.3	31
85	Entanglements in <scp>P3HT</scp> and their influence on thinâ€film mechanical properties: Insights from molecular dynamics simulations. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 934-942.	2.1	59
86	Distinguishing the Effects of Bond-Length Alternation versus Bond-Order Alternation on the Nonlinear Optical Properties of π-Conjugated Chromophores. Journal of Physical Chemistry Letters, 2015, 6, 2158-2162.	4.6	75
87	The fate of phenothiazine-based redox shuttles in lithium-ion batteries. Physical Chemistry Chemical Physics, 2015, 17, 6905-6912.	2.8	40
88	Dimers of Nineteen-Electron Sandwich Compounds: An Electrochemical Study of the Kinetics of Their Formation. Organometallics, 2015, 34, 3706-3712.	2.3	7
89	Rubrene: The Interplay between Intramolecular and Intermolecular Interactions Determines the Planarization of Its Tetracene Core in the Solid State. Journal of the American Chemical Society, 2015, 137, 8775-8782.	13.7	56
90	Nonlinear Optical Properties of X(C ₆ H ₅) ₄ (X = B [–] , C,) T	j ETQq0 0 0 13.7	rgBT /Overlo 21

Journal of the American Chemical Society, 2015, 137, 9635-9642.

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91	Molecular-Scale Understanding of Cohesion and Fracture in P3HT:Fullerene Blends. ACS Applied Materials & Interfaces, 2015, 7, 9957-9964.	8.0	60
92	Dynamics, Miscibility, and Morphology in Polymer:Molecule Blends: The Impact of Chemical Functionality. Chemistry of Materials, 2015, 27, 7643-7651.	6.7	17
93	Effect of Solvent Additives on the Solution Aggregation of Phenyl-C ₆₁ –Butyl Acid Methyl Ester (PCBM). Chemistry of Materials, 2015, 27, 8261-8272.	6.7	26
94	<i>N</i> ‣ubstituted Phenothiazine Derivatives: How the Stability of the Neutral and Radical Cation Forms Affects Overcharge Performance in Lithiumâ€Ion Batteries. ChemPhysChem, 2015, 16, 1179-1189.	2.1	59
95	Heteroannulated acceptors based on benzothiadiazole. Materials Horizons, 2015, 2, 22-36.	12.2	123
96	Theoretical description of the geometric and electronic structures of organic-organic interfaces in organic solar cells: a brief review. Science China Chemistry, 2014, 57, 1330-1339.	8.2	6
97	Dimers of Nineteenâ€Electron Sandwich Compounds: Crystal and Electronic Structures, and Comparison of Reducing Strengths. Chemistry - A European Journal, 2014, 20, 15385-15394.	3.3	41
98	Structure and Disorder in Squaraine–C ₆₀ Organic Solar Cells: A Theoretical Description of Molecular Packing and Electronic Coupling at the Donor–Acceptor Interface. Advanced Functional Materials, 2014, 24, 3790-3798.	14.9	43
99	Impact of Molecular Packing on Electronic Polarization in Organic Crystals: The Case of Pentacene vs TIPS-Pentacene. Journal of the American Chemical Society, 2014, 136, 6421-6427.	13.7	113
100	Substrate-Induced Variations of Molecular Packing, Dynamics, and Intermolecular Electronic Couplings in Pentacene Monolayers on the Amorphous Silica Dielectric. ACS Nano, 2014, 8, 690-700.	14.6	25
101	Ring Substituents Mediate the Morphology of PBDTTPD-PCBM Bulk-Heterojunction Solar Cells. Chemistry of Materials, 2014, 26, 2299-2306.	6.7	119
102	25th Anniversary Article: Design of Polymethine Dyes for Allâ€Optical Switching Applications: Guidance from Theoretical and Computational Studies. Advanced Materials, 2014, 26, 68-84.	21.0	97
103	Interplay of alternative conjugated pathways and steric interactions on the electronic and optical properties of donor–acceptor conjugated polymers. Journal of Materials Chemistry C, 2014, 2, 8873-8879.	5.5	25
104	Effect of Bulky Substituents on Thiopyrylium Polymethine Aggregation in the Solid State: A Theoretical Evaluation of the Implications for All-Optical Switching Applications. Chemistry of Materials, 2014, 26, 6439-6447.	6.7	18
105	Impact of the Nature of the Excited-State Transition Dipole Moments on the Third-Order Nonlinear Optical Response of Polymethine Dyes for All-Optical Switching Applications. ACS Photonics, 2014, 1, 261-269.	6.6	35
106	Influence of Molecular Shape on Solid-State Packing in Disordered PC ₆₁ BM and PC ₇₁ BM Fullerenes. Journal of Physical Chemistry Letters, 2014, 5, 3427-3433.	4.6	40
107	Polymethine materials with solid-state third-order optical susceptibilities suitable for all-optical signal-processing applications. Materials Horizons, 2014, 1, 577-581.	12.2	59
108	Impact of Bulk Aggregation on the Electronic Structure of Streptocyanines: Implications for the Solid-State Nonlinear Optical Properties and All-Optical Switching Applications. Journal of Physical Chemistry C, 2014, 118, 23575-23585.	3.1	20

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109	Structure–processing–property correlations in solution-processed, small-molecule, organic solar cells. Journal of Materials Chemistry C, 2013, 1, 5250.	5.5	22
110	Healing contact. Nature Materials, 2013, 12, 1084-1085.	27.5	2
111	Understanding the Electronic Structure of Isoindigo in Conjugated Systems: A Combined Theoretical and Experimental Approach Macromolecules, 2013, 46, 8832-8844.	4.8	63
112	Characterization of Charge-Carrier Transport in Semicrystalline Polymers: Electronic Couplings, Site Energies, and Charge-Carrier Dynamics in Poly(bithiophene-alt-thienothiophene) [PBTTT]. Journal of Physical Chemistry C, 2013, 117, 1633-1640.	3.1	92
113	Benzo[1,2-b:6,5-b′]dithiophene(dithiazole)-4,5-dione derivatives: synthesis, electronic properties, crystal packing and charge transport. Journal of Materials Chemistry C, 2013, 1, 1467.	5.5	23
114	Tuning the electronic and photophysical properties of heteroleptic iridium(iii) phosphorescent emitters through ancillary ligand substitution: a theoretical perspective. Physical Chemistry Chemical Physics, 2013, 15, 6293.	2.8	40
115	Structural dependence of the optical properties of narrow bandgap semiconductors with orthogonal donor–acceptor geometries. Chemical Science, 2013, 4, 1807.	7.4	34
116	Materialsâ€Scale Implications of Solvent and Temperature on [6,6]â€Phenylâ€C61â€butyric Acid Methyl Ester (PCBM): A Theoretical Perspective. Advanced Functional Materials, 2013, 23, 5800-5813.	14.9	43
117	Charge Delocalization through Benzene, Naphthalene, and Anthracene Bridges in π-Conjugated Oligomers: An Experimental and Quantum Chemical Study. Journal of Physical Chemistry B, 2013, 117, 6304-6317.	2.6	23
118	Bis(carbazolyl) derivatives of pyrene and tetrahydropyrene: synthesis, structures, optical properties, electrochemistry, and electroluminescence. Journal of Materials Chemistry C, 2013, 1, 1638.	5.5	77
119	Small Optical Gap Molecules and Polymers: Using Theory to Design More Efficient Materials for Organic Photovoltaics. Topics in Current Chemistry, 2013, 352, 1-38.	4.0	14
120	Intermixing at the Pentaceneâ€Fullerene Bilayer Interface: A Molecular Dynamics Study. Advanced Materials, 2013, 25, 878-882.	21.0	92
121	Rubrene-Based Single-Crystal Organic Semiconductors: Synthesis, Electronic Structure, and Charge-Transport Properties. Chemistry of Materials, 2013, 25, 2254-2263.	6.7	141
122	Electronic Polarization Effects upon Charge Injection in Oligoacene Molecular Crystals: Description via a Polarizable Force Field. Journal of Physical Chemistry C, 2013, 117, 13853-13860.	3.1	50
123	nâ€Doping of Organic Electronic Materials Using Airâ€Stable Organometallics: A Mechanistic Study of Reduction by Dimeric Sandwich Compounds. Chemistry - A European Journal, 2012, 18, 14760-14772.	3.3	64
124	Tuning Delocalization in the Radical Cations of 1,4-Bis[4-(diarylamino)styryl]benzenes, 2,5-Bis[4-(diarylamino)styryl]thiophenes, and 2,5-Bis[4-(diarylamino)styryl]pyrroles through Substituent Effects. Journal of the American Chemical Society, 2012, 134, 10146-10155.	13.7	72
125	Synthesis, experimental and theoretical characterization, and field-effect transistor properties of a new class of dibenzothiophene derivatives: From linear to cyclic architectures. Journal of Materials Chemistry, 2012, 22, 1313-1325.	6.7	41
126	Use of Xâ€Ray Diffraction, Molecular Simulations, and Spectroscopy to Determine the Molecular Packing in a Polymerâ€Fullerene Bimolecular Crystal. Advanced Materials, 2012, 24, 6071-6079.	21.0	126

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127	Factors Governing Intercalation of Fullerenes and Other Small Molecules Between the Side Chains of Semiconducting Polymers Used in Solar Cells. Advanced Energy Materials, 2012, 2, 1208-1217.	19.5	97
128	Polymethine dyes for all-optical switching applications: a quantum-chemical characterization of counter-ion and aggregation effects on the third-order nonlinear optical response. Chemical Science, 2012, 3, 3103.	7.4	75
129	Donor–Acceptor Copolymers of Relevance for Organic Photovoltaics: A Theoretical Investigation of the Impact of Chemical Structure Modifications on the Electronic and Optical Properties. Macromolecules, 2012, 45, 6405-6414.	4.8	203
130	Three-Dimensional Packing Structure and Electronic Properties of Biaxially Oriented Poly(2,5-bis(3-alkylthiophene-2-yl)thieno[3,2- <i>b</i>]thiophene) Films. Journal of the American Chemical Society, 2012, 134, 6177-6190.	13.7	108
131	Controlled Conjugated Backbone Twisting for an Increased Open-Circuit Voltage while Having a High Short-Circuit Current in Poly(hexylthiophene) Derivatives. Journal of the American Chemical Society, 2012, 134, 5222-5232.	13.7	187
132	Synthetic Principles Directing Charge Transport in Low-Band-Gap Dithienosilole–Benzothiadiazole Copolymers. Journal of the American Chemical Society, 2012, 134, 8944-8957.	13.7	124
133	Synthesis and characterization of naphthalene diimide/diethynylbenzene copolymers. Polymer, 2012, 53, 1072-1078.	3.8	24
134	Benzothiadiazole-Dithienopyrrole Donor–Acceptor–Donor and Acceptor–Donor–Acceptor Triads: Synthesis and Optical, Electrochemical, and Charge-Transport Properties. Journal of Physical Chemistry C, 2011, 115, 23149-23163.	3.1	90
135	Solution-Processed Organic Solar Cells with Power Conversion Efficiencies of 2.5% using Benzothiadiazole/Imide-Based Acceptors. Chemistry of Materials, 2011, 23, 5484-5490.	6.7	232
136	Fullerene–Carbene Lewis Acid–Base Adducts. Journal of the American Chemical Society, 2011, 133, 12410-12413.	13.7	63
137	Mono- and Dicarbonyl-Bridged Tricyclic Heterocyclic Acceptors: Synthesis and Electronic Properties. Journal of Organic Chemistry, 2011, 76, 2660-2671.	3.2	33
138	Solution-Processed Molecular Bis(Naphthalene Diimide) Derivatives with High Electron Mobility. Chemistry of Materials, 2011, 23, 3408-3410.	6.7	106
139	A quantum-chemical perspective into low optical-gap polymers for highly-efficient organic solar cells. Chemical Science, 2011, 2, 1200-1218.	7.4	241
140	Molecular modulation of Schottky barrier height in metal-molecule-silicon diodes: Capacitance and simulation results. Journal of Applied Physics, 2010, 107, 024505.	2.5	15
141	Tuning the Optoelectronic Properties of Vinylene-Linked Donorâ `Acceptor Copolymers for Organic Photovoltaics. Macromolecules, 2010, 43, 6685-6698.	4.8	86
142	Transition from Tunneling to Hopping Transport in Long, Conjugated Oligo-imine Wires Connected to Metals. Journal of the American Chemical Society, 2010, 132, 4358-4368.	13.7	217
143	Design, Synthesis, and Characterization of Ladder-Type Molecules and Polymers. Air-Stable, Solution-Processable <i>n</i> -Channel and Ambipolar Semiconductors for Thin-Film Transistors via Experiment and Theory. Journal of the American Chemical Society, 2009, 131, 5586-5608.	13.7	481
144	Synthesis, Characterization, and Transistor Response of Semiconducting Silole Polymers with Substantial Hole Mobility and Air Stability. Experiment and Theory. Journal of the American Chemical Society, 2008, 130, 7670-7685.	13.7	342

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145	Fluorenyl-substituted silole molecules: geometric, electronic, optical, and device properties. Journal of Materials Chemistry, 2008, 18, 3157.	6.7	41
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