

# Sven Stafström

## List of Publications by Year in descending order

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204  
papers

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46918

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208  
docs citations

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times ranked

8694  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polaron lattice in highly conducting polyaniline: Theoretical and optical studies. <i>Physical Review Letters</i> , 1987, 59, 1464-1467.	2.9	841
2	Superhard and Elastic Carbon Nitride Thin Films Having Fullerenelike Microstructure. <i>Physical Review Letters</i> , 1995, 75, 1336-1339.	2.9	652
3	Negative Poisson's ratios as a common feature of cubic metals. <i>Nature</i> , 1998, 392, 362-365.	13.7	635
4	Effects of extrinsic and intrinsic perturbations on the electronic structure of graphene: Retaining an effective primitive cell band structure by band unfolding. <i>Physical Review B</i> , 2014, 89, .	1.1	424
5	Materials with Negative Compressibilities in One or More Dimensions. <i>Science</i> , 1998, 279, 1522-1524.	6.0	335
6	Unfolding spinor wave functions and expectation values of general operators: Introducing the unfolding-density operator. <i>Physical Review B</i> , 2015, 91, .	1.1	274
7	Mechanisms of Halogen-Based Covalent Self-Assembly on Metal Surfaces. <i>Journal of the American Chemical Society</i> , 2013, 135, 5768-5775.	6.6	216
8	Cross-Linked Nano-onions of Carbon Nitride in the Solid Phase: Existence of a Novel C <sub>48</sub> N <sub>12</sub> Aza-Fullerene. <i>Physical Review Letters</i> , 2001, 87, 225503.	2.9	184
9	Polaron Dynamics in a System of Coupled Conjugated Polymer Chains. <i>Physical Review Letters</i> , 2001, 86, 3602-3605.	2.9	169
10	The chemical and electronic structure of the interface between aluminum and polythiophene semiconductors. <i>Journal of Chemical Physics</i> , 1993, 99, 664-672.	1.2	162
11	Evolution of the electronic structure of polyacetylene and polythiophene as a function of doping level and lattice conformation. <i>Physical Review B</i> , 1988, 38, 4180-4191.	1.1	139
12	Electronic structure of tris(8-hydroxyquinoline) aluminum thin films in the pristine and reduced states. <i>Journal of Chemical Physics</i> , 1999, 111, 2157-2163.	1.2	138
13	Optical absorption of poly(3-alkylthiophenes) at low temperatures. <i>Solid State Communications</i> , 1989, 71, 435-439.	0.9	127
14	Nonadiabatic simulations of polaron dynamics. <i>Physical Review B</i> , 2004, 69, .	1.1	127
15	Electron localization and the transition from adiabatic to nonadiabatic charge transport in organic conductors. <i>Chemical Society Reviews</i> , 2010, 39, 2484.	18.7	124
16	Direct observation of charge-induced electronic structural changes in a conjugated polymer. <i>Physical Review Letters</i> , 1989, 63, 1841-1844.	2.9	116
17	Zippering Up: Cooperativity Drives the Synthesis of Graphene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2011, 133, 14884-14887.	6.6	110
18	Tuning the Supramolecular Chirality of One- and Two-Dimensional Aggregates with the Number of Stereogenic Centers in the Component Porphyrins. <i>Journal of the American Chemical Society</i> , 2010, 132, 9350-9362.	6.6	98

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19	Reactivity of curved and planar carbon-nitride structures. Applied Physics Letters, 2000, 77, 3941-3943.	1.5	84
20	Band Resonant Tunneling in DNA Molecules. Physical Review Letters, 2001, 87, 228101.	2.9	84
21	Effect of bending and vacancies on the conductance of carbon nanotubes. Physical Review B, 2000, 62, 7639-7644.	1.1	81
22	Predicted stability of a new aza[60]fullerene molecule, C <sub>48</sub> N <sub>12</sub> . Chemical Physics Letters, 2001, 340, 227-231.	1.2	79
23	Dynamics of molecular self-ordering in tetraphenyl porphyrin monolayers on metallic substrates. Nanotechnology, 2009, 20, 275602.	1.3	75
24	Negative Poisson's Ratios for Extreme States of Matter. Science, 2000, 288, 2018-2022.	6.0	74
25	Modeling vacancies in graphite via the Hückel method. Physical Review B, 2000, 61, 14089-14094.	1.1	74
26	Efficient Spin Injection Through Exchange Coupling at Organic Semiconductor/Ferromagnet Heterojunctions. Advanced Materials, 2010, 22, 1626-1630.	11.1	74
27	Unraveling the Mechanism of the Covalent Coupling Between Terminal Alkynes on a Noble Metal. Journal of Physical Chemistry C, 2014, 118, 3181-3187.	1.5	73
28	Polaron-bipolaron-soliton doping in polyacetylene. Physical Review B, 1984, 30, 2098-2103.	1.1	68
29	Intershell conductance in multiwall carbon nanotubes. Physical Review B, 2003, 67, .	1.1	67
30	First-principles calculations on the role of CN precursors for the formation of fullerene-like carbon nitride. Chemical Physics Letters, 2005, 401, 288-295.	1.2	67
31	Experimental and Theoretical Studies of the Electronic Structure of Poly(p-phenylenevinylene) and Some Ring-Substituted Derivatives. Macromolecules, 1995, 28, 1959-1965.	2.2	65
32	The chemical and electronic structure of the interface between aluminum and conjugated polymers or molecules. Synthetic Metals, 1993, 55, 212-217.	2.1	64
33	Geometry of polyaniline. Synthetic Metals, 1986, 16, 31-39.	2.1	62
34	Evolution of structure and electronic properties in oxidized polyaniline as a function of the torsion angle between adjacent rings. Synthetic Metals, 1986, 14, 297-308.	2.1	62
35	Soliton pair charge storage in doped polyene molecules: Evidence from photoelectron spectroscopy studies. Physical Review Letters, 1993, 70, 970-973.	2.9	61
36	Interactions between molecular wires and a gold surface. Chemical Physics Letters, 2000, 322, 301-306.	1.2	61

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37	Reactions of low work function metals Na, Al, and Ca on 1,1'-diphenyltetradecaheptaene. Implications for metal/polymer interfaces. <i>Journal of Chemical Physics</i> , 1994, 100, 6765-6771.	1.2	58
38	First-principles calculations on the curvature evolution and cross-linkage in carbon nitride. <i>Chemical Physics Letters</i> , 2005, 410, 228-234.	1.2	57
39	Benzene, coronene, and circumcoronene adsorbed on gold, and a gold cluster adsorbed on graphene: Structural and electronic properties. <i>Physical Review B</i> , 2012, 85, .	1.1	57
40	Polaron dynamics in highly ordered molecular crystals. <i>Chemical Physics Letters</i> , 2006, 428, 446-450.	1.2	56
41	The poly(3-hexylthiophene)/NOPF6 system: A photoelectron spectroscopy study of electronic structural changes induced by the charge transfer in the solid state. <i>Journal of Chemical Physics</i> , 1990, 93, 4433-4439.	1.2	55
42	Theoretical investigations of the aluminum/polythiophene interface. <i>Journal of Chemical Physics</i> , 1992, 97, 9144-9153.	1.2	53
43	Self-consistent-field study of conduction through conjugated molecules. <i>Physical Review B</i> , 2001, 64, .	1.1	51
44	One- and Two-Photon Absorption Spectra of Short Conjugated Polyenes. <i>The Journal of Physical Chemistry</i> , 1994, 98, 7782-7789.	2.9	50
45	Soliton lattice in highly doped trans-polyacetylene. <i>Physical Review B</i> , 1991, 43, 9158-9170.	1.1	49
46	The chemical and electronic structure of the interface between aluminum and conjugated polymers. <i>Electrochimica Acta</i> , 1994, 39, 235-244.	2.6	48
47	Impact of ring torsion on the intrachain mobility in conjugated polymers. <i>Physical Review B</i> , 2007, 75, .	1.1	48
48	Disorder-induced electron localization in metallic carbon nanotubes. <i>Physical Review B</i> , 2001, 63, .	1.1	47
49	Fullerene-like BCN thin films: a computational and experimental study. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004, 113, 242-247.	1.7	47
50	Exact numerical investigation of the polaron-soliton generation in polyacetylene. <i>Physical Review B</i> , 1984, 29, 7010-7011.	1.1	46
51	First-principles calculations on the structural evolution of solid fullerene-like CPx. <i>Chemical Physics Letters</i> , 2006, 426, 374-379.	1.2	46
52	Fullerene-like CSx: A first-principles study of synthetic growth. <i>Chemical Physics Letters</i> , 2011, 506, 86-91.	1.2	46
53	Bonding, charge rearrangement and interface dipoles of benzene, graphene, and PAH molecules on Au(1 1 1) and Cu(1 1 1). <i>Carbon</i> , 2015, 81, 620-628.	5.4	46
54	Adsorption of Large Hydrocarbons on Coinage Metals: A van der Waals Density Functional Study. <i>ChemPhysChem</i> , 2014, 15, 2851-2858.	1.0	45

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55	Controlling inter-chain and intra-chain excitations of a poly(thiophene) derivative in thin films. <i>Chemical Physics Letters</i> , 1999, 304, 84-90.	1.2	43
56	Intercalation of P atoms in Fullerene-like CP. <i>Chemical Physics Letters</i> , 2011, 501, 400-403.	1.2	43
57	Formation of C <sub>60</sub> dimers: A theoretical study of electronic structure and optical absorption. <i>Physical Review B</i> , 1996, 53, 13150-13158.	1.1	42
58	AlGaInN metal-organic-chemical-vapor-deposition gas-phase chemistry in hydrogen and nitrogen diluents: First-principles calculations. <i>Chemical Physics Letters</i> , 2006, 431, 346-351.	1.2	42
59	Integer charge transfer at the tetrakis(dimethylamino)ethylene/Au interface. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	41
60	Dangling bond energetics in carbon nitride and phosphorus carbide thin films with fullerene-like and amorphous structure. <i>Chemical Physics Letters</i> , 2009, 482, 110-113.	1.2	41
61	Structural Patterns Arising during Synthetic Growth of Fullerene-Like Sulfocarbide. <i>Journal of Physical Chemistry C</i> , 2012, 116, 21124-21131.	1.5	41
62	Carbon Fluoride, CF <sub>x</sub> : Structural Diversity as Predicted by First Principles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 6514-6521.	1.5	41
63	Transport of Polarons in Graphene Nanoribbons. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 510-514.	2.1	41
64	Chemical and electronic aspects of metal/conjugated polymer interfaces. Implications for electronic devices. <i>Synthetic Metals</i> , 1995, 71, 2159-2162.	2.1	40
65	A $\hat{\Gamma}$ -self-consistent-field study of the nitrogen 1s binding energies in carbon nitrides. <i>Journal of Chemical Physics</i> , 1999, 111, 3203-3208.	1.2	40
66	Fullerene-like CPx: A first-principles study of the relative stability of precursors and defect energetics during synthetic growth. <i>Thin Solid Films</i> , 2006, 515, 1028-1032.	0.8	40
67	Water adsorption on fullerene-like carbon nitride overcoats. <i>Thin Solid Films</i> , 2008, 517, 1106-1110.	0.8	40
68	Synthesis of phosphorus-carbide thin films by magnetron sputtering. <i>Physica Status Solidi - Rapid Research Letters</i> , 2008, 2, 191-193.	1.2	40
69	Reactivity of adducts relevant to the deposition of hexagonal BN from first-principles calculations. <i>Chemical Physics Letters</i> , 2013, 583, 119-124.	1.2	40
70	Influence of the Morphology on the Electronic Structure of Hexa-peri-hexabenzocoronene Thin Films. <i>Journal of Physical Chemistry B</i> , 2000, 104, 3967-3975.	1.2	39
71	Soliton and polaron transport in trans-polyacetylene. <i>Physical Review B</i> , 2002, 65, .	1.1	39
72	Monte Carlo simulations of charge carrier mobility in semiconducting polymer field-effect transistors. <i>Physical Review B</i> , 2007, 76, .	1.1	39

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73	A theoretical study of the chemical structure of the non-conjugated polymer poly(3,3'-phthalidylidene-4,4'-biphenylene). <i>Synthetic Metals</i> , 1994, 67, 319-322.	2.1	38
74	Silicon metal clusters: Nano-templates for cluster assembled materials. <i>Thin Solid Films</i> , 2006, 515, 1192-1196.	0.8	38
75	Self-consistent drift-diffusion model of nanoscale impurity profiles in semiconductor layers, quantum wires, and quantum dots. <i>Physical Review B</i> , 2003, 67, .	1.1	36
76	Polaron stability in molecular semiconductors: theoretical insight into the impact of the temperature, electric field and the system dimensionality. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8973-8982.	1.3	36
77	Effects of interchain interactions on the electronic structure of heavily doped trans-polyacetylene. <i>Physical Review B</i> , 1993, 47, 12437-12444.	1.1	35
78	Electronic structure of polyimide and related monomers: Theory and experiment. <i>Physical Review B</i> , 1990, 41, 1645-1656.	1.1	34
79	High intercalation levels in lithium perylene stoichiometric compounds. <i>Chemical Physics Letters</i> , 2002, 354, 389-394.	1.2	34
80	Fundamental excitations in C <sub>60</sub> . <i>Physical Review B</i> , 1993, 48, 11367-11374.	1.1	33
81	Polaron dynamics in a two-dimensional Holstein-Peierls system. <i>Journal of Chemical Physics</i> , 2013, 138, 184104.	1.2	33
82	Coulomb interactions in rubidium-doped tetracyanoethylene: A model system for organometallic magnets. <i>Physical Review B</i> , 2004, 69, .	1.1	31
83	Localization in quasi-one-dimensional systems. <i>Physical Review B</i> , 2000, 62, 5245-5250.	1.1	30
84	Dynamics of exciton dissociation in donor-acceptor polymer heterojunctions. <i>Journal of Chemical Physics</i> , 2013, 138, 164905.	1.2	30
85	Nano-wire formation by self-assembly of silicon metal cage-like molecules. <i>Chemical Physics Letters</i> , 2008, 458, 170-174.	1.2	28
86	Interacting Bipolarons in $n$ -Doped Sexiphenyl Films. <i>Europhysics Letters</i> , 1994, 28, 85-90.	0.7	26
87	Conductance manipulation at the molecular level. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 3555-3562.	0.7	26
88	Temperature evolution of the electronic band structure of the undoped and doped regioregular analog of poly(3-alkylthiophenes): A spectroscopic and theoretical study. <i>Journal of Chemical Physics</i> , 1994, 100, 1731-1741.	1.2	25
89	Electron Localization in DNA. <i>Nano Letters</i> , 2003, 3, 1417-1420.	4.5	25
90	Optical anisotropy of neutral and doped poly(3-octylthiophene). <i>Solid State Communications</i> , 1990, 76, 203-208.	0.9	23

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91	Dynamics of charge separation at an organic donor-acceptor interface. <i>Physical Review B</i> , 2014, 90, .	1.1	23
92	Visualization and thermodynamic encoding of single-molecule partition function projections. <i>Nature Communications</i> , 2015, 6, 6210.	5.8	23
93	Effect of Polarization on the Mobility of C <sub>60</sub> : A Kinetic Monte Carlo Study. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 812-824.	2.3	23
94	Pthalimide on copper: A model system to address certain site-specific interactions at the polyimide-copper interface. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1988, 6, 3134-3139.	0.9	22
95	Metal/conjugated polymer interfaces: Sodium, magnesium, aluminum, and calcium on trans-polyacetylene. <i>Journal of Chemical Physics</i> , 1994, 101, 9137-9142.	1.2	22
96	Spin-dependent polaron recombination in conjugated polymers. <i>Journal of Chemical Physics</i> , 2012, 136, 244901.	1.2	22
97	Tunneling across molecular wires: an analytical exactly solvable model. <i>Solid State Communications</i> , 1998, 108, 555-559.	0.9	21
98	Scattering process between polaron and exciton in conjugated polymers. <i>Journal of Chemical Physics</i> , 2011, 134, 044906.	1.2	21
99	Impact of the electron-phonon coupling symmetry on the polaron stability and mobility in organic molecular semiconductors. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 1386-1391.	1.3	21
100	Soliton states in polyacetylene. <i>Physical Review B</i> , 1984, 29, 2255-2266.	1.1	20
101	Charge storage states in polyenes. <i>Journal of Chemical Physics</i> , 1993, 99, 7938-7945.	1.2	20
102	Effect of dynamic disorder on charge transport along a pentacene chain. <i>Physical Review B</i> , 2011, 83, .	1.1	20
103	Polaron stability in molecular crystals. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 1807-1811.	0.9	20
104	Superhard and Elastic Carbon Nitride Thin Films Having Fullerenelike Microstructure. <i>Physical Review Letters</i> , 1996, 76, 2205-2205.	2.9	19
105	Impact of ring torsion dynamics on intrachain charge transport in conjugated polymers. <i>Physical Review B</i> , 2009, 79, .	1.1	19
106	Bipolaron recombination in conjugated polymers. <i>Journal of Chemical Physics</i> , 2011, 135, 074902.	1.2	19
107	Electronic Properties of Linear C <sub>60</sub> Polyaniions. <i>Europhysics Letters</i> , 1995, 30, 295-300.	0.7	18
108	An effective hopping model for weakly interacting $\pi$ systems: Electronic structure of stacked polyaromatic hydrocarbons. <i>International Journal of Quantum Chemistry</i> , 2001, 84, 216-225.	1.0	18

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109	Theoretical investigation of the role of $\pi$ - $\pi$ interactions for the stability of phenylene ethynylene aggregates. <i>Chemical Physics</i> , 2001, 270, 245-251.	0.9	18
110	Complex Polarization Propagator Approach in the Restricted Open-Shell, Self-Consistent Field Approximation: The Near $K$ -Edge X-ray Absorption Fine Structure Spectra of Allyl and Copper Phthalocyanine. <i>Journal of Physical Chemistry B</i> , 2011, 115, 5096-5102.	1.2	18
111	Three-dimensional effects in trans-polyacetylene. <i>Physical Review B</i> , 1985, 32, 4060-4065.	1.1	17
112	The electronic structure of $\beta$ , $\gamma$ -diphenyltetradecaheptaene, a model molecule for polyacetylene, as studied by photoelectron spectroscopy. <i>Synthetic Metals</i> , 1992, 51, 187-195.	2.1	17
113	Some chemical and electronic structures of the non-conjugated polymer poly(3,3'-phthalidylidene-4,4'-biphenylene). <i>Synthetic Metals</i> , 1994, 67, 125-128.	2.1	17
114	The electronic structure of neutral and alkali metal-doped poly[3-(4-octylphenyl)thiophene] studied by photoelectron spectroscopy. <i>Synthetic Metals</i> , 1996, 80, 59-66.	2.1	17
115	Structural and electronic transitions in potassium-doped pentacene. <i>Physical Review B</i> , 2006, 73, .	1.1	17
116	Core $x$ -ray photoelectron shake-up states of model molecules for polyaniline. <i>Journal of Chemical Physics</i> , 1992, 97, 137-144.	1.2	16
117	Electronic structure and stability of fullerene polymers. <i>Applied Physics A: Materials Science and Processing</i> , 1997, 64, 307-314.	1.1	16
118	Interchain charge transport in disordered $\pi$ -conjugated chain systems. <i>Physical Review B</i> , 2002, 66, .	1.1	16
119	Electronic structure calculations of the phenalenyl-based neutral radical conductor bis(9-cyclohexylimino-1-phenalenyl) boron. <i>Physical Review B</i> , 2006, 74, .	1.1	16
120	Polaron effects and electric field dependence of the charge carrier mobility in conjugated polymers. <i>Journal of Chemical Physics</i> , 2011, 135, 134902.	1.2	16
121	Monte Carlo simulations of charge transport in organic systems with true off-diagonal disorder. <i>Journal of Chemical Physics</i> , 2012, 137, 114901.	1.2	16
122	Effects of doping and interchain interactions on the metal-insulator transition in trans-polyacetylene. <i>Physical Review B</i> , 1999, 60, 7939-7943.	1.1	15
123	Characterization of aza-fullerene C <sub>58</sub> N <sub>2</sub> isomers by X-ray spectroscopy. <i>Chemical Physics Letters</i> , 2003, 371, 98-104.	1.2	15
124	Water adsorption on phosphorous-carbide thin films. <i>Surface and Coatings Technology</i> , 2009, 204, 1035-1039.	2.2	15
125	Defect states in polyemeraldine. <i>Chemical Physics Letters</i> , 1986, 131, 414-419.	1.2	14
126	The valence electronic structure of isotactic polystyrene revisited. <i>Chemical Physics Letters</i> , 1989, 164, 240-246.	1.2	14



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127	A Monte Carlo study of charge transfer in DNA. <i>Journal of Chemical Physics</i> , 2008, 129, 125102.	1.2	14
128	Transition fields in organic materials: From percolation to inverted Marcus regime. A consistent Monte Carlo simulation in disordered PPV. <i>Journal of Chemical Physics</i> , 2015, 142, 094503.	1.2	14
129	Modeling of the dynamics of charge separation in an excited poly(phenylene vinylene)/C60system. <i>Physical Review B</i> , 2003, 68, .	1.1	13
130	Effects of $\pi$ -stacking interactions on the near carbon K-edge x-ray absorption fine structure: A theoretical study of the ethylene pentamer and the phthalocyanine dimer. <i>Journal of Chemical Physics</i> , 2009, 130, 104305.	1.2	13
131	Defect states in polyaniline. <i>Synthetic Metals</i> , 1987, 18, 387-392.	2.1	12
132	Photoelectron studies of trans-polyacetylene using synchrotron radiation. <i>Synthetic Metals</i> , 1991, 41, 1365-1368.	2.1	12
133	Conductance and localization in a system of coupled conjugated polymer chains. <i>Physical Review B</i> , 1995, 51, 4137-4142.	1.1	12
134	Electronic and vibrational structure of thin films of bithiophene: Undoped and alkali-doped states. <i>Journal of Chemical Physics</i> , 1999, 110, 8060-8069.	1.2	12
135	Anderson localization in two-dimensional disordered systems. <i>Synthetic Metals</i> , 2003, 139, 239-244.	2.1	12
136	Theoretical investigations of the interaction between electron and hole polarons in thiophene oligomers. <i>Physical Review B</i> , 1996, 54, 13713-13720.	1.1	11
137	Enhanced thermal dissociation of optically excited C 60 chains. <i>Europhysics Letters</i> , 2000, 49, 631-636.	0.7	11
138	Electronic structure calculations of potassium-intercalated single-walled carbon nanotubes. <i>Physical Review B</i> , 2005, 72, .	1.1	11
139	Polaron dynamics in anisotropic Holstein-Peierls systems. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 4078-4084.	1.3	11
140	Electron localization in a model polymer. <i>Physical Review B</i> , 1982, 26, 4691-4698.	1.1	10
141	Localization of kinks in a system of commensurability 3. <i>Physical Review B</i> , 1985, 31, 6058-6062.	1.1	10
142	A Delta Self-Consistent-Field Study of Core Electron Binding Energies of Model Molecules for the Aluminum/Polythiophene Interface. <i>The Journal of Physical Chemistry</i> , 1995, 99, 16597-16601.	2.9	10
143	Stretch-oriented poly(3-alkylthiophenes). <i>Synthetic Metals</i> , 1991, 41, 593-596.	2.1	9
144	Ab initio calculations of trans-polyacetylene clusters including sodium counterions. <i>Synthetic Metals</i> , 1991, 44, 65-74.	2.1	8

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145	Calculation of oscillator strengths with the supercell method sub-bandgap transitions in conjugated polymers. <i>Synthetic Metals</i> , 1993, 57, 4614-4619.	2.1	8
146	Electronic structure of trimethylamine alane in the solid state. <i>Chemical Physics Letters</i> , 1995, 235, 528-534.	1.2	8
147	Theoretical study of electron transport along self-assembled graphitic nanowires. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 9433-9440.	0.7	8
148	Charge transport in $\pi$ -conjugated systems. <i>Synthetic Metals</i> , 2003, 137, 1397-1399.	2.1	8
149	Effect of long-range correlation on the metal-insulator transition in a disordered molecular crystal. <i>Physical Review B</i> , 2006, 74, .	1.1	8
150	Quantitative measure of the electron localization in disordered systems with long-range hopping. <i>Physical Review B</i> , 1983, 27, 6158-6165.	1.1	7
151	Ab initio studies of soliton defects in trans-polyacetylene. <i>Synthetic Metals</i> , 1991, 43, 3467-3470.	2.1	7
152	The effect of inter-chain coupling properties of doped trans-polyacetylene. <i>Journal of Magnetism and Magnetic Materials</i> , 1992, 104-107, 2099-2100.	1.0	7
153	Ab initio Hartree-Fock studies of the binding energy of a soliton to a sodium counterion in doped trans-polyacetylene. <i>Chemical Physics Letters</i> , 1992, 190, 407-412.	1.2	7
154	Valence band structure of PMDA-ODA polyimide studied by X-ray photoelectron spectroscopy and theoretical calculations*. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1994, 12, 772-782.	0.9	7
155	Inter- and intrachain electron-hole recombination in polythiophene. <i>Synthetic Metals</i> , 1997, 85, 1065-1068.	2.1	7
156	The effect of lattice dynamics on electron localization in poly-(para-phenylenevinylene). <i>Synthetic Metals</i> , 2009, 159, 2219-2221.	2.1	7
157	The electronic and geometric structures of neutral and potassium-doped poly [3-(4-octylphenyl)thiophene] studied by photoelectron spectroscopy. <i>Synthetic Metals</i> , 1996, 76, 263-267.	2.1	6
158	Ultra Violet and X-Ray Photoelectron Spectroscopy of Crystal Violet. <i>Physica Scripta</i> , 1987, 35, 551-556.	1.2	5
159	Band Structure Calculations for the Polaron Lattice in the Highly Doped Regime of Polyacetylene, Polythiophene, and Polyaniline. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1988, 160, 405-420.	0.3	5
160	Electronic structure and conductance in heavily doped trans-polyacetylene. <i>Synthetic Metals</i> , 1994, 65, 185-194.	2.1	5
161	Interpretation of Anomalous Absorption Spectra. A Theoretical Study of the Geometric, Electronic and Optical Properties of Poly[3-(4-Octylphenyl)-Thiophene]. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 256, 705-710.	0.3	5
162	Charge and energy dynamics in photo-excited poly(para-phenylenevinylene) systems. <i>Journal of Chemical Physics</i> , 2004, 121, 1601-1608.	1.2	5

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163	Dynamical simulation of exciton dissociation in poly(para-phenylenevinylene) systems. Journal of Luminescence, 2005, 112, 357-362.	1.5	5
164	Nonradiative relaxation processes in molecular crystals. Journal of Luminescence, 2008, 128, 2019-2026.	1.5	5
165	Electron Correlation Vs Peierls Distortion In Polyacetylene. Molecular Crystals and Liquid Crystals, 1985, 118, 45-48.	0.9	4
166	Soliton-impurity interaction in heavily doped trans-polyacetylene. Synthetic Metals, 1991, 43, 3657-3662.	2.1	4
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