

Sven Stafström

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/744057/publications.pdf>

Version: 2024-02-01

204
papers

9,413
citations

46984

47
h-index

43868

91
g-index

208
all docs

208
docs citations

208
times ranked

8694
citing authors

#	ARTICLE	IF	CITATIONS
1	Polaron dynamics in anisotropic Holstein-Peierls systems. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 4078-4084.	1.3	11
2	Effect of Polarization on the Mobility of C ₆₀ : A Kinetic Monte Carlo Study. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 812-824.	2.3	23
3	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
4	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
5	Transport of Polarons in Graphene Nanoribbons. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 510-514.	2.1	41
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	Visualization and thermodynamic encoding of single-molecule partition function projections. <i>Nature Communications</i> , 2015, 6, 6210.	5.8	23
8	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
9	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
10	Adsorption of Large Hydrocarbons on Coinage Metals: A van der Waals Density Functional Study. <i>ChemPhysChem</i> , 2014, 15, 2851-2858.	1.0	45
11	Unraveling the Mechanism of the Covalent Coupling Between Terminal Alkynes on a Noble Metal. <i>Journal of Physical Chemistry C</i> , 2014, 118, 3181-3187.	1.5	73
12	Dynamics of charge separation at an organic donor-acceptor interface. <i>Physical Review B</i> , 2014, 90, .	1.1	23
13	Carbon Fluoride, CF _x : Structural Diversity as Predicted by First Principles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 6514-6521.	1.5	41
14	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
15	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
16	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
17	Dynamics of exciton dissociation in donor-acceptor polymer heterojunctions. <i>Journal of Chemical Physics</i> , 2013, 138, 164905.	1.2	30
18	Polaron dynamics in a two-dimensional Holstein-Peierls system. <i>Journal of Chemical Physics</i> , 2013, 138, 184104.	1.2	33

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Structural Patterns Arising during Synthetic Growth of Fullerene-Like Sulfocarbide. <i>Journal of Physical Chemistry C</i> , 2012, 116, 21124-21131.	1.5	41
22	Spin-dependent polaron recombination in conjugated polymers. <i>Journal of Chemical Physics</i> , 2012, 136, 244901.	1.2	22
23	Polaron stability in molecular crystals. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 1807-1811.	0.9	20
24	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
25	Effect of dynamic disorder on charge transport along a pentacene chain. <i>Physical Review B</i> , 2011, 83, .	1.1	20
26	Zippering Up: Cooperativity Drives the Synthesis of Graphene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2011, 133, 14884-14887.	6.6	110
27	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
28	Intercalation of P atoms in Fullerene-like CP. <i>Chemical Physics Letters</i> , 2011, 501, 400-403.	1.2	43
29	Fullerene-like CS _x : A first-principles study of synthetic growth. <i>Chemical Physics Letters</i> , 2011, 506, 86-91.	1.2	46
30	Scattering process between polaron and exciton in conjugated polymers. <i>Journal of Chemical Physics</i> , 2011, 134, 044906.	1.2	21
31	Bipolaron recombination in conjugated polymers. <i>Journal of Chemical Physics</i> , 2011, 135, 074902.	1.2	19
32	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
33	Efficient Spin Injection Through Exchange Coupling at Organic Semiconductor/Ferromagnet Heterojunctions. <i>Advanced Materials</i> , 2010, 22, 1626-1630.	11.1	74
34	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
35	Impact of ring torsion dynamics on intrachain charge transport in conjugated polymers. <i>Physical Review B</i> , 2009, 79, .	1.1	19
36	Dynamics of molecular self-ordering in tetraphenyl porphyrin monolayers on metallic substrates. <i>Nanotechnology</i> , 2009, 20, 275602.	1.3	75

#	ARTICLE	IF	CITATIONS
37	Effects of π -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
38	Water adsorption on phosphorous-carbide thin films. <i>Surface and Coatings Technology</i> , 2009, 204, 1035-1039.	2.2	15
39	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
40	The effect of lattice dynamics on electron localization in poly-(para-phenylenevinylene). <i>Synthetic Metals</i> , 2009, 159, 2219-2221.	2.1	7
41	Hole mobility and transport mechanisms in λ -DNA. <i>Journal of Chemical Physics</i> , 2009, 131, 155102.	1.2	2
42	Water adsorption on fullerene-like carbon nitride overcoats. <i>Thin Solid Films</i> , 2008, 517, 1106-1110.	0.8	40
43	Nonradiative relaxation processes in molecular crystals. <i>Journal of Luminescence</i> , 2008, 128, 2019-2026.	1.5	5
44	Nano-wire formation by self-assembly of silicon-metal cage-like molecules. <i>Chemical Physics Letters</i> , 2008, 458, 170-174.	1.2	28
45	Synthesis of phosphorus-carbide thin films by magnetron sputtering. <i>Physica Status Solidi - Rapid Research Letters</i> , 2008, 2, 191-193.	1.2	40
46	A Monte Carlo study of charge transfer in DNA. <i>Journal of Chemical Physics</i> , 2008, 129, 125102.	1.2	14
47	TDAE chemisorbed on gold. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 315008.	0.7	2
48	Integer charge transfer at the tetrakis(dimethylamino)ethylene/Au interface. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	41
49	Publisher's Note: Monte Carlo simulations of charge carrier mobility in semiconducting polymer field-effect transistors [<i>Phys. Rev. B</i> 76, 155202 (2007)]. <i>Physical Review B</i> , 2008, 77, .	1.1	0
50	Impact of ring torsion on the intrachain mobility in conjugated polymers. <i>Physical Review B</i> , 2007, 75, .	1.1	48
51	Monte Carlo simulations of charge carrier mobility in semiconducting polymer field-effect transistors. <i>Physical Review B</i> , 2007, 76, .	1.1	39
52	Monte Carlo simulation of controlled charge carriers diffusion in highly ordered iodine doped pentacene film. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 3545-3555.	0.8	0
53	First-principles calculations on the structural evolution of solid fullerene-like CPx. <i>Chemical Physics Letters</i> , 2006, 426, 374-379.	1.2	46
54	Polaron dynamics in highly ordered molecular crystals. <i>Chemical Physics Letters</i> , 2006, 428, 446-450.	1.2	56

#	ARTICLE	IF	CITATIONS
55	AlGaIn 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
56	Silicon metal clusters: Nano-templates for cluster assembled materials. <i>Thin Solid Films</i> , 2006, 515, 1192-1196.	0.8	38
57	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
58	Structural and electronic transitions in potassium-doped pentacene. <i>Physical Review B</i> , 2006, 73, .	1.1	17
59	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
60	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
61	Dynamical simulation of exciton dissociation in poly(para-phenylenevinylene) systems. <i>Journal of Luminescence</i> , 2005, 112, 357-362.	1.5	5
62	First-principles calculations on the role of CN precursors for the formation of fullerene-like carbon nitride. <i>Chemical Physics Letters</i> , 2005, 401, 288-295.	1.2	67
63	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
64	Electronic structure calculations of potassium-intercalated single-walled carbon nanotubes. <i>Physical Review B</i> , 2005, 72, .	1.1	11
65	Charge and energy dynamics in photo-excited poly(para-phenylenevinylene) systems. <i>Journal of Chemical Physics</i> , 2004, 121, 1601-1608.	1.2	5
66	Nonadiabatic simulations of polaron dynamics. <i>Physical Review B</i> , 2004, 69, .	1.1	127
67	Split gate nanoscale Coulomb driven stochastic resonance mechanism for separating like-charged impurities in semiconductors. <i>Physical Review B</i> , 2004, 69, .	1.1	2
68	Coulomb interactions in rubidium-doped tetracyanoethylene: A model system for organometallic magnets. <i>Physical Review B</i> , 2004, 69, .	1.1	31
69	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
70	Characterization of aza-fullerene C ₅₈ N ₂ isomers by X-ray spectroscopy. <i>Chemical Physics Letters</i> , 2003, 371, 98-104.	1.2	15
71	Electron Localization in DNA. <i>Nano Letters</i> , 2003, 3, 1417-1420.	4.5	25
72	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

#	ARTICLE	IF	CITATIONS
73	Charge transport in π -conjugated systems. <i>Synthetic Metals</i> , 2003, 137, 1397-1399.	2.1	8
74	Anderson localization in two-dimensional disordered systems. <i>Synthetic Metals</i> , 2003, 139, 239-244.	2.1	12
75	Modeling of the dynamics of charge separation in an excited poly(phenylene vinylene)/C ₆₀ system. <i>Physical Review B</i> , 2003, 68, .	1.1	13
76	Intershell conductance in multiwall carbon nanotubes. <i>Physical Review B</i> , 2003, 67, .	1.1	67
77	Soliton and polaron transport in trans-polyacetylene. <i>Physical Review B</i> , 2002, 65, .	1.1	39
78	Interchain charge transport in disordered π -conjugated chain systems. <i>Physical Review B</i> , 2002, 66, .	1.1	16
79	High intercalation levels in lithium perylene stoichiometric compounds. <i>Chemical Physics Letters</i> , 2002, 354, 389-394.	1.2	34
80	Polaron dynamics in a system of coupled conjugated polymer chains. <i>Synthetic Metals</i> , 2001, 119, 235-236.	2.1	1
81	Localization in defected chiral carbon nanotubes. <i>Synthetic Metals</i> , 2001, 121, 1239-1240.	2.1	0
82	Conductance calculations through stacks of polyaromatic hydrocarbons. <i>Synthetic Metals</i> , 2001, 121, 1273-1274.	2.1	1
83	Theoretical study of phenylene ethynylene macromolecules. <i>Synthetic Metals</i> , 2001, 121, 1271-1272.	2.1	1
84	Self-consistent-field study of conduction through conjugated molecules. <i>Physical Review B</i> , 2001, 64, .	1.1	51
85	Band Resonant Tunneling in DNA Molecules. <i>Physical Review Letters</i> , 2001, 87, 228101.	2.9	84
86	An effective hopping model for weakly interacting π systems: Electronic structure of stacked polyaromatic hydrocarbons. <i>International Journal of Quantum Chemistry</i> , 2001, 84, 216-225.	1.0	18
87	Predicted stability of a new aza[60]fullerene molecule, C ₄₈ N ₁₂ . <i>Chemical Physics Letters</i> , 2001, 340, 227-231.	1.2	79
88	Cross-Linked Nano-onions of Carbon Nitride in the Solid Phase: Existence of a Novel C ₄₈ N ₁₂ Aza-Fullerene. <i>Physical Review Letters</i> , 2001, 87, 225503.	2.9	184
89	Theoretical investigation of the role of π - π interactions for the stability of phenylene ethynylene aggregates. <i>Chemical Physics</i> , 2001, 270, 245-251.	0.9	18
90	Disorder-induced electron localization in metallic carbon nanotubes. <i>Physical Review B</i> , 2001, 63, .	1.1	47

#	ARTICLE	IF	CITATIONS
91	Polaron Dynamics in a System of Coupled Conjugated Polymer Chains. <i>Physical Review Letters</i> , 2001, 86, 3602-3605.	2.9	169
92	A Theoretical Study of Electrical Contacts to Self-Assembled Molecular Wires on Conducting Substrates. , 2001, , .		0
93	Interactions between molecular wires and a gold surface. <i>Chemical Physics Letters</i> , 2000, 322, 301-306.	1.2	61
94	Theoretical study of electron transport along self-assembled graphitic nanowires. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 9433-9440.	0.7	8
95	Enhanced thermal dissociation of optically excited C 60 chains. <i>Europhysics Letters</i> , 2000, 49, 631-636.	0.7	11
96	Effect of bending and vacancies on the conductance of carbon nanotubes. <i>Physical Review B</i> , 2000, 62, 7639-7644.	1.1	81
97	Reactivity of curved and planar carbon-nitride structures. <i>Applied Physics Letters</i> , 2000, 77, 3941-3943.	1.5	84
98	Negative Poisson's Ratios for Extreme States of Matter. <i>Science</i> , 2000, 288, 2018-2022.	6.0	74
99	Modeling vacancies in graphite via the Hückel method. <i>Physical Review B</i> , 2000, 61, 14089-14094.	1.1	74
100	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
101	Localization in quasi-one-dimensional systems. <i>Physical Review B</i> , 2000, 62, 5245-5250.	1.1	30
102	Effect of charge state on bonding in fulleride polymers. <i>Europhysics Letters</i> , 1999, 46, 382-388.	0.7	4
103	Conductance manipulation at the molecular level. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 3555-3562.	0.7	26
104	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
105	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
106	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
107	A 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
108	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

#	ARTICLE	IF	CITATIONS
109	Studies of Polaron and/or Bipolaron Formation in Short Segments of Polymers. Synthetic Metals, 1999, 101, 287-290.	2.1	4
110	Effect of charge state on bonding in fulleride polymers. Synthetic Metals, 1999, 103, 2422-2423.	2.1	1
111	Interactions between molecular wires and a gold surface. Synthetic Metals, 1999, 101, 429-430.	2.1	1
112	Conductance through a C60 molecule. Synthetic Metals, 1999, 101, 469-470.	2.1	0
113	Materials with Negative Compressibilities in One or More Dimensions. Science, 1998, 279, 1522-1524.	6.0	335
114	Negative Poisson's ratios as a common feature of cubic metals. Nature, 1998, 392, 362-365.	13.7	635
115	Tunneling across molecular wires: an analytical exactly solvable model. Solid State Communications, 1998, 108, 555-559.	0.9	21
116	Numerical investigation of electron localization in polymer chains. Physical Review B, 1998, 57, 2197-2202.	1.1	4
117	Two dimensional fulleride polymers. , 1998, , .		0
118	Contact dependence of the conductance through C[sub 60]. , 1998, , .		0
119	Inter- and intrachain electron-hole recombination in polythiophene. Synthetic Metals, 1997, 85, 1065-1068.	2.1	7
120	Geometrical and optical properties of fullerene polymers. Synthetic Metals, 1997, 86, 2393-2394.	2.1	2
121	Electronic structure and stability of fullerene polymers. Applied Physics A: Materials Science and Processing, 1997, 64, 307-314.	1.1	16
122	The electronic and geometric structures of neutral and potassium-doped poly [3-(4-octylphenyl)thiophene] studied by photoelectron spectroscopy. Synthetic Metals, 1996, 76, 263-267.	2.1	6
123	The electronic structure of neutral and alkali metal-doped poly[3-(4-octylphenyl)thiophene] studied by photoelectron spectroscopy. Synthetic Metals, 1996, 80, 59-66.	2.1	17
124	Theoretical investigations of the interaction between electron and hole polarons in thiophene oligomers. Physical Review B, 1996, 54, 13713-13720.	1.1	11
125	Formation of C60 dimers: A theoretical study of electronic structure and optical absorption. Physical Review B, 1996, 53, 13150-13158.	1.1	42
126	Superhard and Elastic Carbon Nitride Thin Films Having Fullerenelike Microstructure. Physical Review Letters, 1996, 76, 2205-2205.	2.9	19

#	ARTICLE	IF	CITATIONS
127	Electronic structure of trimethylamine alane in the solid state. <i>Chemical Physics Letters</i> , 1995, 235, 528-534.	1.2	8
128	Conductance and localization in a system of coupled conjugated polymer chains. <i>Physical Review B</i> , 1995, 51, 4137-4142.	1.1	12
129	Electronic Properties of Linear C ₆₀ Polyanions. <i>Europhysics Letters</i> , 1995, 30, 295-300.	0.7	18
130	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
131	Experimental and Theoretical Studies of the Electronic Structure of Poly(p-phenylenevinylene) and Some Ring-Substituted Derivatives. <i>Macromolecules</i> , 1995, 28, 1959-1965.	2.2	65
132	Chemical and electronic aspects of metal/conjugated polymer interfaces. Implications for electronic devices. <i>Synthetic Metals</i> , 1995, 71, 2159-2162.	2.1	40
133	Superhard and Elastic Carbon Nitride Thin Films Having Fullerenelike Microstructure. <i>Physical Review Letters</i> , 1995, 75, 1336-1339.	2.9	652
134	One- and Two-Photon Absorption Spectra of Short Conjugated Polyenes. <i>The Journal of Physical Chemistry</i> , 1994, 98, 7782-7789.	2.9	50
135	Interacting Bipolarons in <i>n</i> -Doped Sexiphenyl Films. <i>Europhysics Letters</i> , 1994, 28, 85-90.	0.7	26
136	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
137	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
138	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
139	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
140	The chemical and electronic structure of the interface between aluminum and conjugated polymers. <i>Electrochimica Acta</i> , 1994, 39, 235-244.	2.6	48
141	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
142	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
143	Electronic structure and conductance in heavily doped trans-polyacetylene. <i>Synthetic Metals</i> , 1994, 65, 185-194.	2.1	5
144	Effects of Interchain Interactions on the Localization of Doping Induced Defects in Quasi One-Dimensional Systems. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 256, 209-216.	0.3	3

#	ARTICLE	IF	CITATIONS
145	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
146	Theoretical studies of optical absorption spectra of soliton containing polyenes. <i>Chemical Physics Letters</i> , 1993, 203, 81-87.	1.2	4
147	Charge storage states in polyenes. <i>Journal of Chemical Physics</i> , 1993, 99, 7938-7945.	1.2	20
148	A photoelectron spectroscopy study of the charge-induced π -electronic structural changes in 1,1'-diphenyltetradecaheptaene, a model molecule for polyacetylene. <i>Synthetic Metals</i> , 1993, 57, 4722-4727.	2.1	0
149	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
150	Inter-chain coupling effects on the electronic structure of alkali doped trans-polyacetylene. <i>Synthetic Metals</i> , 1993, 57, 4278-4283.	2.1	2
151	The chemical and electronic structure of the interface between aluminum and conjugated polymers or molecules. <i>Synthetic Metals</i> , 1993, 55, 212-217.	2.1	64
152	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
153	Fundamental excitations in C ₆₀ . <i>Physical Review B</i> , 1993, 48, 11367-11374.	1.1	33
154	Soliton pair charge storage in doped polyene molecules: Evidence from photoelectron spectroscopy studies. <i>Physical Review Letters</i> , 1993, 70, 970-973.	2.9	61
155	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
156	Supercell representation of localized defects: A method for calculating band-gap states in conjugated polymers. <i>Physical Review B</i> , 1992, 46, 4551-4558.	1.1	3
157	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
158	Theoretical investigations of the aluminum/polythiophene interface. <i>Journal of Chemical Physics</i> , 1992, 97, 9144-9153.	1.2	53
159	The electronic structure of 1,1'-diphenyltetradecaheptaene, a model molecule for polyacetylene, as studied by photoelectron spectroscopy. <i>Synthetic Metals</i> , 1992, 51, 187-195.	2.1	17
160	GEOMETRICAL AND ELECTRONIC STRUCTURE OF C ₆₀ ANIONS. <i>International Journal of Modern Physics B</i> , 1992, 06, 3853-3858.	1.0	4
161	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
162	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

#	ARTICLE	IF	CITATIONS
163	Photoelectron studies of trans-polyacetylene using synchrotron radiation. <i>Synthetic Metals</i> , 1991, 41, 1365-1368.	2.1	12
164	Soliton-impurity interaction in heavily doped trans-polyacetylene. <i>Synthetic Metals</i> , 1991, 43, 3657-3662.	2.1	4
165	Stretch-oriented poly(3-alkylthiophenes). <i>Synthetic Metals</i> , 1991, 41, 593-596.	2.1	9
166	The evolution of the electronic structure of polyacetylene, poly(p-phenylene), and the copolymer poly(p-phenylenevinylene) as studied by photoelectron spectroscopy. <i>Synthetic Metals</i> , 1991, 41, 1315-1318.	2.1	3
167	Ab initio studies of soliton defects in trans-polyacetylene. <i>Synthetic Metals</i> , 1991, 43, 3467-3470.	2.1	7
168	Ab initio calculations of trans-polyacetylene clusters including sodium counterions. <i>Synthetic Metals</i> , 1991, 44, 65-74.	2.1	8
169	Polaron defects in emeraldine. <i>Synthetic Metals</i> , 1991, 43, 3697-3700.	2.1	2
170	Soliton lattice in highly doped trans-polyacetylene. <i>Physical Review B</i> , 1991, 43, 9158-9170.	1.1	49
171	Electronic properties of highly doped trans-polyacetylene. <i>Physical Review B</i> , 1991, 44, 12737-12741.	1.1	4
172	Optical anisotropy of neutral and doped poly(3-octylthiophene). <i>Solid State Communications</i> , 1990, 76, 203-208.	0.9	23
173	Electronic structure of polyimide and related monomers: Theory and experiment. <i>Physical Review B</i> , 1990, 41, 1645-1656.	1.1	34
174	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
175	Direct observation of charge-induced electronic structural changes in a conjugated polymer. <i>Physical Review Letters</i> , 1989, 63, 1841-1844.	2.9	116
176	The valence electronic structure of isotactic polystyrene revisited. <i>Chemical Physics Letters</i> , 1989, 164, 240-246.	1.2	14
177	Optical absorption of poly(3-alkylthiophenes) at low temperatures. <i>Solid State Communications</i> , 1989, 71, 435-439.	0.9	127
178	Electronic excitation properties of trans-polyacetylene and polythiophene as a function of doping level. <i>Synthetic Metals</i> , 1989, 28, D477-D482.	2.1	3
179	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
180	Phthalimide 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

#	ARTICLE	IF	CITATIONS
181	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
182	An experimental and theoretical study of the valence electron properties of crystal violet. <i>Physica Scripta</i> , 1988, 37, 831-835.	1.2	1
183	Ultra Violet and X-Ray Photoelectron Spectroscopy of Crystal Violet. <i>Physica Scripta</i> , 1987, 35, 551-556.	1.2	5
184	Defect states in polyaniline. <i>Synthetic Metals</i> , 1987, 18, 387-392.	2.1	12
185	Polaron lattice in highly conducting polyaniline: Theoretical and optical studies. <i>Physical Review Letters</i> , 1987, 59, 1464-1467.	2.9	841
186	Geometry of polyaniline. <i>Synthetic Metals</i> , 1986, 16, 31-39.	2.1	62
187	Evolution of structure and electronic properties in oxidized polyaniline as a function of the torsion angle between adjacent rings. <i>Synthetic Metals</i> , 1986, 14, 297-308.	2.1	62
188	Defect states in polyemeraldine. <i>Chemical Physics Letters</i> , 1986, 131, 414-419.	1.2	14
189	Electron Correlation Vs Peierls Distortion In Polyacetylene. <i>Molecular Crystals and Liquid Crystals</i> , 1985, 118, 45-48.	0.9	4
190	Three-dimensional effects intrans-polyacetylene. <i>Physical Review B</i> , 1985, 32, 4060-4065.	1.1	17
191	Localization of kinks in a system of commensurability 3. <i>Physical Review B</i> , 1985, 31, 6058-6062.	1.1	10
192	Polaron-bipolaron soliton doping in polyacetylene. <i>Physical Review B</i> , 1984, 30, 2098-2103.	1.1	68
193	Exact numerical investigation of the polaron-soliton generation in polyacetylene. <i>Physical Review B</i> , 1984, 29, 7010-7011.	1.1	46
194	Soliton states in polyacetylene. <i>Physical Review B</i> , 1984, 29, 2255-2266.	1.1	20
195	Interacting stereo-irregular chains: A model for conducting polymers. <i>International Journal of Quantum Chemistry</i> , 1983, 23, 1363-1383.	1.0	0
196	Intrinsic and extrinsic disorder effects. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1983, 99, 243-246.	0.9	2
197	Magnetic properties of coupled chains. <i>Journal of Magnetism and Magnetic Materials</i> , 1983, 31-34, 1161-1162.	1.0	0
198	Correlation and disorder effects on the soliton states in a model polymer. <i>Journal of Physics C: Solid State Physics</i> , 1983, 16, L985-L989.	1.5	1

#	ARTICLE	IF	CITATIONS
199	Quantitative measure of the electron localization in disordered systems with long-range hopping. Physical Review B, 1983, 27, 6158-6165.	1.1	7
200	Electrons in coupled stereo-irregular chains. Physical Review B, 1983, 28, 2199-2211.	1.1	1
201	The effect of disorder in stereo-irregular polymer chains. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1983, 47, 247-257.	0.6	1
202	Electron localization in a model polymer. Physical Review B, 1982, 26, 4691-4698.	1.1	10
203	Local antiferromagnetic ordering in coupled stereo-irregular chains. Physics Letters, Section A: General, Atomic and Solid State Physics, 1982, 91, 181-184.	0.9	0
204	Electron localization and the transition from adiabatic to nonadiabatic charge transport in organic conductors. , 0, .		1