# Sven StafstrÃ¶m

List of Publications by Year
in descending order

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|---|---|---|---|
| 205<br>papers | 9,413<br>citations | 47006<br>47<br>h-index | 43889<br>91<br>g-index |
| 208<br>all docs | 208<br>docs citations | 208<br>times ranked | 8694<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Polaron lattice in highly conducting polyaniline: Theoretical and optical studies. Physical Review Letters, 1987, 59, 1464-1467. | 7.8 | 841 |
| 2 | Superhard and Elastic Carbon Nitride Thin Films Having Fullerenelike Microstructure. Physical Review Letters, 1995, 75, 1336-1339. | 7.8 | 652 |
| 3 | Negative Poisson's ratios as a common feature of cubic metals. Nature, 1998, 392, 362-365. | 27.8 | 635 |
| 4 | Effects of extrinsic and intrinsic perturbations on the electronic structure of graphene: Retaining an effective primitive cell band structure by band unfolding. Physical Review B, 2014, 89, . | 3.2 | 424 |
| 5 | Materials with Negative Compressibilities in One or More Dimensions. Science, 1998, 279, 1522-1524. | 12.6 | 335 |
| 6 | Unfolding spinor wave functions and expectation values of general operators: Introducing the unfolding-density operator. Physical Review B, 2015, 91, . | 3.2 | 274 |
| 7 | Mechanisms of Halogen-Based Covalent Self-Assembly on Metal Surfaces. Journal of the American Chemical Society, 2013, 135, 5768-5775. | 13.7 | 216 |
| 8 | Cross-Linked Nano-onions of Carbon Nitride in the Solid Phase: Existence of a NovelC48N12Aza-Fullerene. Physical Review Letters, 2001, 87, 225503. | 7.8 | 184 |
| 9 | Polaron Dynamics in a System of Coupled Conjugated Polymer Chains. Physical Review Letters, 2001, 86, 3602-3605. | 7.8 | 169 |
| 10 | The chemical and electronic structure of the interface between aluminum and polythiophene semiconductors. Journal of Chemical Physics, 1993, 99, 664-672. | 3.0 | 162 |
| 11 | Evolution of the electronic structure of polyacetylene and polythiophene as a function of doping level and lattice conformation. Physical Review B, 1988, 38, 4180-4191. | 3.2 | 139 |
| 12 | Electronic structure of tris(8-hydroxyquinoline) aluminum thin films in the pristine and reduced states. Journal of Chemical Physics, 1999, 111, 2157-2163. | 3.0 | 138 |
| 13 | Optical absorption of poly(3-alkylthiophenes) at low temperatures. Solid State Communications, 1989, 71, 435-439. | 1.9 | 127 |
| 14 | Nonadiabatic simulations of polaron dynamics. Physical Review B, 2004, 69, . | 3.2 | 127 |
| 15 | Electron localization and the transition from adiabatic to nonadiabatic charge transport in organic conductors. Chemical Society Reviews, 2010, 39, 2484. | 38.1 | 124 |
| 16 | Direct observation of charge-induced€-electronic structural changes in a conjugated polymer. Physical Review Letters, 1989, 63, 1841-1844. | 7.8 | 116 |
| 17 | Zipping Up: Cooperativity Drives the Synthesis of Graphene Nanoribbons. Journal of the American Chemical Society, 2011, 133, 14884-14887. | 13.7 | 110 |
| 18 | Tuning the Supramolecular Chirality of One- and Two-Dimensional Aggregates with the Number of Stereogenic Centers in the Component Porphyrins. Journal of the American Chemical Society, 2010, 132, 9350-9362. | 13.7 | 98 |

| # | Article | IF | Citations |
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| 19 | Reactivity of curved and planar carbonâ€“nitride structures. Applied Physics Letters, 2000, 77, 3941-3943. | 3.3 | 84 |
| 20 | Band Resonant Tunneling in DNA Molecules. Physical Review Letters, 2001, 87, 228101. | 7.8 | 84 |
| 21 | Effect of bending and vacancies on the conductance of carbon nanotubes. Physical Review B, 2000, 62, 7639-7644. | 3.2 | 81 |
| 22 | Predicted stability of a new aza[60]fullerene molecule, C48N12. Chemical Physics Letters, 2001, 340, 227-231. | 2.6 | 79 |
| 23 | Dynamics of molecular self-ordering in tetraphenyl porphyrin monolayers on metallic substrates. Nanotechnology, 2009, 20, 275602. | 2.6 | 75 |
| 24 | Negative Poisson's Ratios for Extreme States of Matter. Science, 2000, 288, 2018-2022. | 12.6 | 74 |
| 25 | Modeling vacancies in graphite via the HÃ¼ckel method. Physical Review B, 2000, 61, 14089-14094. | 3.2 | 74 |
| 26 | Efficient Spin Injection Through Exchange Coupling at Organic Semiconductor/Ferromagnet Heterojunctions. Advanced Materials, 2010, 22, 1626-1630. | 21.0 | 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. | 3.1 | 73 |
| 28 | Polaron-bipolaronâ€”soliton doping in polyacetylene. Physical Review B, 1984, 30, 2098-2103. | 3.2 | 68 |
| 29 | Intershell conductance in multiwall carbon nanotubes. Physical Review B, 2003, 67, . | 3.2 | 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. | 2.6 | 67 |
| 31 | Experimental and Theoretical Studies of the Electronic Structure of Poly(p-phenylenevinylene) and Some Ring-Substituted Derivatives. Macromolecules, 1995, 28, 1959-1965. | 4.8 | 65 |
| 32 | The chemical and electronic structure of the interface between aluminum and conjugated polymers or molecules. Synthetic Metals, 1993, 55, 212-217. | 3.9 | 64 |
| 33 | Geometry of polyaniline. Synthetic Metals, 1986, 16, 31-39. | 3.9 | 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. | 3.9 | 62 |
| 35 | Soliton pair charge storage in doped polyene molecules: Evidence from photoelectron spectroscopy studies. Physical Review Letters, 1993, 70, 970-973. | 7.8 | 61 |
| 36 | Interactions between molecular wires and a gold surface. Chemical Physics Letters, 2000, 322, 301-306. | 2.6 | 61 |

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| 37 | Reactions of low work function metals Na, Al, and Ca on Î±,Ï‰â€diphenyltetradecaheptaene. Implications for metal/polymer interfaces. Journal of Chemical Physics, 1994, 100, 6765-6771. | 3.0 | 58 |
| 38 | First-principles calculations on the curvature evolution and cross-linkage in carbon nitride. Chemical Physics Letters, 2005, 410, 228-234. | 2.6 | 57 |
| 39 | Benzene, coronene, and circumcoronene adsorbed on gold, and a gold cluster adsorbed on graphene: Structural and electronic properties. Physical Review B, 2012, 85, . | 3.2 | 57 |
| 40 | Polaron dynamics in highly ordered molecular crystals. Chemical Physics Letters, 2006, 428, 446-450. | 2.6 | 56 |
| 41 | The polyâ€3â€hexylthiophene/NOPF6 system: A photoelectron spectroscopy study of electronic structural changes induced by the charge transfer in the solid state. Journal of Chemical Physics, 1990, 93, 4433-4439. | 3.0 | 55 |
| 42 | Theoretical investigations of the aluminum/polythiophene interface. Journal of Chemical Physics, 1992, 97, 9144-9153. | 3.0 | 53 |
| 43 | Self-consistent-field study of conduction through conjugated molecules. Physical Review B, 2001, 64, . | 3.2 | 51 |
| 44 | One- and Two-Photon Absorption Spectra of Short Conjugated Polyenes. The Journal of Physical Chemistry, 1994, 98, 7782-7789. | 2.9 | 50 |
| 45 | Soliton lattice in highly dopedtrans-polyacetylene. Physical Review B, 1991, 43, 9158-9170. | 3.2 | 49 |
| 46 | The chemical and electronic structure of the interface between aluminum and conjugated polymers. Electrochimica Acta, 1994, 39, 235-244. | 5.2 | 48 |
| 47 | Impact of ring torsion on the intrachain mobility in conjugated polymers. Physical Review B, 2007, 75, . | 3.2 | 48 |
| 48 | Disorder-induced electron localization in metallic carbon nanotubes. Physical Review B, 2001, 63, . | 3.2 | 47 |
| 49 | Fullerene-like BCN thin films: a computational and experimental study. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 113, 242-247. | 3.5 | 47 |
| 50 | Exact numerical investigation of the polaron-soliton generation in polyacetylene. Physical Review B, 1984, 29, 7010-7011. | 3.2 | 46 |
| 51 | First-principles calculations on the structural evolution of solid fullerene-like CPx. Chemical Physics Letters, 2006, 426, 374-379. | 2.6 | 46 |
| 52 | Fullerene-like CSx: A first-principles study of synthetic growth. Chemical Physics Letters, 2011, 506, 86-91. | 2.6 | 46 |
| 53 | Bonding, charge rearrangement and interface dipoles of benzene, graphene, and PAH molecules on Au(1 1 1) and Cu(1 1 1). Carbon, 2015, 81, 620-628. | 10.3 | 46 |
| 54 | Adsorption of Large Hydrocarbons on Coinage Metals: A van der Waals Density Functional Study. ChemPhysChem, 2014, 15, 2851-2858. | 2.1 | 45 |

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| 55 | Controlling inter-chain and intra-chain excitations of a poly(thiophene) derivative in thin films. Chemical Physics Letters, 1999, 304, 84-90. | 2.6 | 43 |
| 56 | Intercalation of P atoms in Fullerene-like CP. Chemical Physics Letters, 2011, 501, 400-403. | 2.6 | 43 |
| 57 | Formation ofC60dimers: A theoretical study of electronic structure and optical absorption. Physical Review B, 1996, 53, 13150-13158. | 3.2 | 42 |
| 58 | AlGaInN metal-organic-chemical-vapor-deposition gas-phase chemistry in hydrogen and nitrogen diluents: First-principles calculations. Chemical Physics Letters, 2006, 431, 346-351. | 2.6 | 42 |
| 59 | Integer charge transfer at the tetrakis(dimethylamino)ethylene/Au interface. Applied Physics Letters, 2008, 92, . | 3.3 | 41 |
| 60 | Dangling bond energetics in carbon nitride and phosphorus carbide thin films with fullerene-like and amorphous structure. Chemical Physics Letters, 2009, 482, 110-113. | 2.6 | 41 |
| 61 | Structural Patterns Arising during Synthetic Growth of Fullerene-Like Sulfocarbide. Journal of Physical Chemistry C, 2012, 116, 21124-21131. | 3.1 | 41 |
| 62 | Carbon Fluoride, CF<sub>x</sub>: Structural Diversity as Predicted by First Principles. Journal of Physical Chemistry C, 2014, 118, 6514-6521. | 3.1 | 41 |
| 63 | Transport of Polarons in Graphene Nanoribbons. Journal of Physical Chemistry Letters, 2015, 6, 510-514. | 4.6 | 41 |
| 64 | Chemical and electronic aspects of metal/conjugated polymer interfaces. Implications for electronic devices. Synthetic Metals, 1995, 71, 2159-2162. | 3.9 | 40 |
| 65 | A Î”-self-consistent-field study of the nitrogen 1s binding energies in carbon nitrides. Journal of Chemical Physics, 1999, 111, 3203-3208. | 3.0 | 40 |
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| 67 | Water adsorption on fullerene-like carbon nitride overcoats. Thin Solid Films, 2008, 517, 1106-1110. | 1.8 | 40 |
| 68 | Synthesis of phosphorusâ€carbide thin films by magnetron sputtering. Physica Status Solidi - Rapid Research Letters, 2008, 2, 191-193. | 2.4 | 40 |
| 69 | Reactivity of adducts relevant to the deposition of hexagonal BN from first-principles calculations. Chemical Physics Letters, 2013, 583, 119-124. | 2.6 | 40 |
| 70 | Influence of the Morphology on the Electronic Structure of Hexa-peri-hexabenzocoronene Thin Filmsâ€. Journal of Physical Chemistry B, 2000, 104, 3967-3975. | 2.6 | 39 |
| 71 | Soliton and polaron transport intrans-polyacetylene. Physical Review B, 2002, 65, . | 3.2 | 39 |
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| 73 | A theoretical study of the chemical structure of the non-conjugated polymer poly(3,3â€²-phthalidylidene-4,4â€²-biphenylene). Synthetic Metals, 1994, 67, 319-322. | 3.9 | 38 |
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| 75 | Self-consistent drift-diffusion model of nanoscale impurity profiles in semiconductor layers, quantum wires, and quantum dots. Physical Review B, 2003, 67, . | 3.2 | 36 |
| 76 | Polaron stability in molecular semiconductors: theoretical insight into the impact of the temperature, electric field and the system dimensionality. Physical Chemistry Chemical Physics, 2015, 17, 8973-8982. | 2.8 | 36 |
| 77 | Effects of interchain interactions on the electronic structure of heavily dopedtrans-polyacetylene. Physical Review B, 1993, 47, 12437-12444. | 3.2 | 35 |
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| 79 | High intercalation levels in lithium perylene stoichiometric compounds. Chemical Physics Letters, 2002, 354, 389-394. | 2.6 | 34 |
| 80 | Fundamental excitations inC60. Physical Review B, 1993, 48, 11367-11374. | 3.2 | 33 |
| 81 | Polaron dynamics in a two-dimensional Holstein-Peierls system. Journal of Chemical Physics, 2013, 138, 184104. | 3.0 | 33 |
| 82 | Coulomb interactions in rubidium-doped tetracyanoethylene: A model system for organometallic magnets. Physical Review B, 2004, 69, . | 3.2 | 31 |
| 83 | Localization in quasi-one-dimensional systems. Physical Review B, 2000, 62, 5245-5250. | 3.2 | 30 |
| 84 | Dynamics of exciton dissociation in donor-acceptor polymer heterojunctions. Journal of Chemical Physics, 2013, 138, 164905. | 3.0 | 30 |
| 85 | Nano-wire formation by self-assembly of siliconâ€“metal cage-like molecules. Chemical Physics Letters, 2008, 458, 170-174. | 2.6 | 28 |
| 86 | Interacting Bipolarons in n -Doped Sexiphenyl Films. Europhysics Letters, 1994, 28, 85-90. | 2.0 | 26 |
| 87 | Conductance manipulation at the molecular level. Journal of Physics Condensed Matter, 1999, 11, 3555-3562. | 1.8 | 26 |
| 88 | Temperature evolution of the electronic band structure of the undoped and doped regioregular analog of poly(3â€alkylthiophenes): A spectroscopic and theoretical study. Journal of Chemical Physics, 1994, 100, 1731-1741. | 3.0 | 25 |
| 89 | Electron Localization in DNA. Nano Letters, 2003, 3, 1417-1420. | 9.1 | 25 |
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| 92 | Visualization and thermodynamic encoding of single-molecule partition function projections. Nature Communications, 2015, 6, 6210. | 12.8 | 23 |
| 93 | Effect of Polarization on the Mobility of C<sub>60</sub>: A Kinetic Monte Carlo Study. Journal of Chemical Theory and Computation, 2016, 12, 812-824. | 5.3 | 23 |
| 94 | Pthalimide on copper: A model system to address certain siteâ€specific interactions at the polyimideâ€“copper interface. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1988, 6, 3134-3139. | 2.1 | 22 |
| 95 | Metal/conjugated polymer interfaces: Sodium, magnesium, aluminum, and calcium on transâ€polyacetylene. Journal of Chemical Physics, 1994, 101, 9137-9142. | 3.0 | 22 |
| 96 | Spin-dependent polaron recombination in conjugated polymers. Journal of Chemical Physics, 2012, 136, 244901. | 3.0 | 22 |
| 97 | Tunneling across molecular wires: an analytical exactly solvable model. Solid State Communications, 1998, 108, 555-559. | 1.9 | 21 |
| 98 | Scattering process between polaron and exciton in conjugated polymers. Journal of Chemical Physics, 2011, 134, 044906. | 3.0 | 21 |
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| 100 | Soliton states in polyacetylene. Physical Review B, 1984, 29, 2255-2266. | 3.2 | 20 |
| 101 | Charge storage states in polyenes. Journal of Chemical Physics, 1993, 99, 7938-7945. | 3.0 | 20 |
| 102 | Effect of dynamic disorder on charge transport along a pentacene chain. Physical Review B, 2011, 83, . | 3.2 | 20 |
| 103 | Polaron stability in molecular crystals. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 1807-1811. | 2.1 | 20 |
| 104 | Superhard and Elastic Carbon Nitride Thin Films Having Fullerenelike Microstructure. Physical Review Letters, 1996, 76, 2205-2205. | 7.8 | 19 |
| 105 | Impact of ring torsion dynamics on intrachain charge transport in conjugated polymers. Physical Review B, 2009, 79, . | 3.2 | 19 |
| 106 | Bipolaron recombination in conjugated polymers. Journal of Chemical Physics, 2011, 135, 074902. | 3.0 | 19 |
| 107 | Electronic Properties of Linear C 60 Polyanions. Europhysics Letters, 1995, 30, 295-300. | 2.0 | 18 |
| 108 | An effective hopping model for weakly interacting Ï€ systems: Electronic structure of stacked polyaromatic hydrocarbons. International Journal of Quantum Chemistry, 2001, 84, 216-225. | 2.0 | 18 |

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| 109 | Theoretical investigation of the role of Ï€â€“Ï€ interactions for the stability of phenylene ethynylene aggregates. Chemical Physics, 2001, 270, 245-251. | 1.9 | 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. Journal of Physical Chemistry B, 2011, 115, 5096-5102. | 2.6 | 18 |
| 111 | Three-dimensional effects intrans-polyacetylene. Physical Review B, 1985, 32, 4060-4065. | 3.2 | 17 |
| 112 | The electronic structure of Î±,Ï‰-diphenyltetradecaheptaene, a model molecule for polyacetylene, as studied by photoelectron spectroscopy. Synthetic Metals, 1992, 51, 187-195. | 3.9 | 17 |
| 113 | Some chemical and electronic structures of the non-conjugated polymer poly(3,3â€²-phthalidylidene-4,4â€²-biphenylene). Synthetic Metals, 1994, 67, 125-128. | 3.9 | 17 |
| 114 | The electronic structure of neutral and alkali metal-doped poly[3-(4-octylphenyl)thiophene] studied by photoelectron spectroscopy. Synthetic Metals, 1996, 80, 59-66. | 3.9 | 17 |
| 115 | Structural and electronic transitions in potassium-doped pentacene. Physical Review B, 2006, 73, . | 3.2 | 17 |
| 116 | Core xâ€ray photoelectron shakeâ€up states of model molecules for polyaniline. Journal of Chemical Physics, 1992, 97, 137-144. | 3.0 | 16 |
| 117 | Electronic structure and stability of fullerene polymers. Applied Physics A: Materials Science and Processing, 1997, 64, 307-314. | 2.3 | 16 |
| 118 | Interchain charge transport in disorderedÏ€-conjugated chain systems. Physical Review B, 2002, 66, . | 3.2 | 16 |
| 119 | Electronic structure calculations of the phenalenyl-based neutral radical conductor bis(9-cyclohexylimino-1-phenalenyl) boron. Physical Review B, 2006, 74, . | 3.2 | 16 |
| 120 | Polaron effects and electric field dependence of the charge carrier mobility in conjugated polymers. Journal of Chemical Physics, 2011, 135, 134902. | 3.0 | 16 |
| 121 | Monte Carlo simulations of charge transport in organic systems with true off-diagonal disorder. Journal of Chemical Physics, 2012, 137, 114901. | 3.0 | 16 |
| 122 | Effects of doping and interchain interactions on the metal-insulator transition intrans-polyacetylene. Physical Review B, 1999, 60, 7939-7943. | 3.2 | 15 |
| 123 | Characterization of aza-fullerene C58N2 isomers by X-ray spectroscopy. Chemical Physics Letters, 2003, 371, 98-104. | 2.6 | 15 |
| 124 | Water adsorption on phosphorous-carbide thin films. Surface and Coatings Technology, 2009, 204, 1035-1039. | 4.8 | 15 |
| 125 | Defect states in polyemeraldine. Chemical Physics Letters, 1986, 131, 414-419. | 2.6 | 14 |
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| 127 | A Monte Carlo study of charge transfer in DNA. Journal of Chemical Physics, 2008, 129, 125102. | 3.0 | 14 |
| 128 | Transition fields in organic materials: From percolation to inverted Marcus regime. A consistent Monte Carlo simulation in disordered PPV. Journal of Chemical Physics, 2015, 142, 094503. | 3.0 | 14 |
| 129 | Modeling of the dynamics of charge separation in an excited poly(phenylene vinylene)/C60system. Physical Review B, 2003, 68, . | 3.2 | 13 |
| 130 | Effects of Ï€-stacking interactions on the near carbon K-edge x-ray absorption fine structure: A theoretical study of the ethylene pentamer and the phthalocyanine dimer. Journal of Chemical Physics, 2009, 130, 104305. | 3.0 | 13 |
| 131 | Defect states in polyaniline. Synthetic Metals, 1987, 18, 387-392. | 3.9 | 12 |
| 132 | Photoelectron studies of trans-polyacetylene using synchrotron radiation. Synthetic Metals, 1991, 41, 1365-1368. | 3.9 | 12 |
| 133 | Conductance and localization in a system of coupled conjugated polymer chains. Physical Review B, 1995, 51, 4137-4142. | 3.2 | 12 |
| 134 | Electronic and vibrational structure of thin films of bithiophene: Undoped and alkali-doped states. Journal of Chemical Physics, 1999, 110, 8060-8069. | 3.0 | 12 |
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| 136 | Theoretical investigations of the interaction between electron and hole polarons in thiophene oligomers. Physical Review B, 1996, 54, 13713-13720. | 3.2 | 11 |
| 137 | Enhanced thermal dissociation of optically excited C 60 chains. Europhysics Letters, 2000, 49, 631-636. | 2.0 | 11 |
| 138 | Electronic structure calculations of potassium-intercalated single-walled carbon nanotubes. Physical Review B, 2005, 72, . | 3.2 | 11 |
| 139 | Polaron dynamics in anisotropic Holsteinâ€“Peierls systems. Physical Chemistry Chemical Physics, 2017, 19, 4078-4084. | 2.8 | 11 |
| 140 | Electron localization in a model polymer. Physical Review B, 1982, 26, 4691-4698. | 3.2 | 10 |
| 141 | Localization of kinks in a system of commensurability 3. Physical Review B, 1985, 31, 6058-6062. | 3.2 | 10 |
| 142 | A Delta Self-Consistent-Field Study of Core Electron Binding Energies of Model Molecules for the Aluminum/Polythiophene Interface. The Journal of Physical Chemistry, 1995, 99, 16597-16601. | 2.9 | 10 |
| 143 | Stretch-oriented poly(3-alkylthiophenes). Synthetic Metals, 1991, 41, 593-596. | 3.9 | 9 |
| 144 | Ab initio calculations of trans-polyacetylene clusters including sodium counterions. Synthetic Metals, 1991, 44, 65-74. | 3.9 | 8 |

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| 145 | Calculation of oscillator strengths with the supercell method sub-bandgap transitions in conjugated polymers. Synthetic Metals, 1993, 57, 4614-4619. | 3.9 | 8 |
| 146 | Electronic structure of trimethylamine alane in the solid state. Chemical Physics Letters, 1995, 235, 528-534. | 2.6 | 8 |
| 147 | Theoretical study of electron transport along self-assembled graphitic nanowires. Journal of Physics Condensed Matter, 2000, 12, 9433-9440. | 1.8 | 8 |
| 148 | Charge transport in Ï€-conjugated systems. Synthetic Metals, 2003, 137, 1397-1399. | 3.9 | 8 |
| 149 | Effect of long-range correlation on the metal-insulator transition in a disordered molecular crystal. Physical Review B, 2006, 74, . | 3.2 | 8 |
| 150 | Quantitative measure of the electron localization in disordered systems with long-range hopping. Physical Review B, 1983, 27, 6158-6165. | 3.2 | 7 |
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| 154 | Valenceâ€band structure of PMDAâ€ODA polyimide studied by xâ€ray photoelectron spectroscopy and theoretical calculations*. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1994, 12, 772-782. | 2.1 | 7 |
| 155 | Inter- and intrachain electron-hole recombination in polythiophene. Synthetic Metals, 1997, 85, 1065-1068. | 3.9 | 7 |
| 156 | The effect of lattice dynamics on electron localization in poly-(para-phenylenevinylene). Synthetic Metals, 2009, 159, 2219-2221. | 3.9 | 7 |
| 157 | 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. | 3.9 | 6 |
| 158 | Ultra Violet and X-Ray Photoelectron Spectroscopy of Crystal Violet. Physica Scripta, 1987, 35, 551-556. | 2.5 | 5 |
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| 160 | Electronic structure and conductance in heavily doped trans-polyacetylene. Synthetic Metals, 1994, 65, 185-194. | 3.9 | 5 |
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| 162 | Charge and energy dynamics in photo-excited poly(para-phenylenevinylene) systems. Journal of Chemical Physics, 2004, 121, 1601-1608. | 3.0 | 5 |

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| 163 | Dynamical simulation of exciton dissociation in poly(para-phenylenevinylene) systems. Journal of Luminescence, 2005, 112, 357-362. | 3.1 | 5 |
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| 165 | Electron Correlation Vs Peierls Distortion In Polyacetylene. Molecular Crystals and Liquid Crystals, 1985, 118, 45-48. | 0.8 | 4 |
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| 167 | Electronic properties of highly dopedtrans-polyacetylene. Physical Review B, 1991, 44, 12737-12741. | 3.2 | 4 |
| 168 | GEOMETRICAL AND ELECTRONIC STRUCTURE OF C60 ANIONS. International Journal of Modern Physics B, 1992, 06, 3853-3858. | 2.0 | 4 |
| 169 | Theoretical studies of optical absorption spectra of soliton containing polyenes. Chemical Physics Letters, 1993, 203, 81-87. | 2.6 | 4 |
| 170 | Numerical investigation of electron localization in polymer chains. Physical Review B, 1998, 57, 2197-2202. | 3.2 | 4 |
| 171 | Effect of charge state on bonding in fulleride polymers. Europhysics Letters, 1999, 46, 382-388. | 2.0 | 4 |
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