List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Analytic model of hopping mobility at large charge carrier concentrations in disordered organic semiconductors: Polarons versus bare charge carriers. Physical Review B, 2007, 76, . | 3.2 | 127 |
| 2 | Temperature dependence of the charge carrier mobility in disordered organic semiconductors at large carrier concentrations. Physical Review B, 2010, 81, . | 3.2 | 116 |
| 3 | Nondispersive polaron transport in disordered organic solids. Physical Review B, 2003, 67, . | 3.2 | 92 |
| 4 | Unified description for hopping transport in organic semiconductors including both energetic disorder and polaronic contributions. Physical Review B, 2013, 88, . | 3.2 | 86 |
| 5 | Nondispersive charge-carrier transport in disordered organic materials containing traps. Physical Review B, 2002, 66, . | 3.2 | 64 |
| 6 | Transition from trap-controlled to trap-to-trap hopping transport in disordered organic semiconductors. Physical Review B, 2006, 73, . | 3.2 | 59 |
| 7 | Effective-medium theory of hopping charge-carrier transport in weakly disordered organic solids. Physical Review B, 2002, 65, . | 3.2 | 47 |
| 8 | Strain induced anisotropic effect on electron mobility in C60 based organic field effect transistors. Applied Physics Letters, 2012, 101, 083305. | 3.3 | 44 |
| 9 | Low-field charge-carrier hopping transport in energetically and positionally disordered organic materials. Physical Review B, 2004, 70, . | 3.2 | 43 |
| 10 | Interplay between hopping and band transport in high-mobility disordered semiconductors at large carrier concentrations: The case of the amorphous oxide InGaZnO. Physical Review B, 2016, 93, . | 3.2 | 43 |
| 11 | Triplet energy transfer in conjugated polymers. II. A polaron theory description addressing the influence of disorder. Physical Review B, 2008, 78, . | 3.2 | 41 |
| 12 | Dependence of Meyer–Neldel energy on energetic disorder in organic field effect transistors. Applied Physics Letters, 2010, 96, 213306. | 3.3 | 41 |
| 13 | Charge Transport in Disordered Organic Semiconductors. , 2006, , 261-366. | | 36 |
| 14 | Electric Field Confinement Effect on Charge Transport in Organic Field-Effect Transistors. Physical Review Letters, 2012, 108, 066601. | 7.8 | 34 |
| 15 | Electric field dependence of charge carrier hopping transport within the random energy landscape in an organic field effect transistor. Physical Review B, 2012, 86, . | 3.2 | 34 |
| 16 | Origin of Meyer-Neldel type compensation behavior in organic semiconductors at large carrier concentrations: Disorder versus thermodynamic description. Physical Review B, 2014, 90, . | 3.2 | 22 |
| 17 | Effect of source-drain electric field on the Meyer–Neldel energy in organic field effect transistors. Applied Physics Letters, 2011, 98, 223301. | 3.3 | 19 |
| 18 | The AC Conductivity and Hall Effect in Inhomogeneous Semiconductors. Physica Status Solidi A, 1986, 93, 675-684. | 1.7 | 17 |

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|----|--|-----|-----------|
| 19 | Charge-carrier and polaron hopping mobility in disordered organic solids: Carrier-concentration and electric-field effects. Philosophical Magazine, 2010, 90, 1229-1244. | 1.6 | 16 |
| 20 | Role of the reorganization energy for charge transport in disordered organic semiconductors. Physical Review B, 2021, 103, . | 3.2 | 15 |
| 21 | Density of States of OLED Host Materials from Thermally Stimulated Luminescence. Physical Review Applied, 2021, 15, . | 3.8 | 14 |
| 22 | On the theory of hopping transport in organic solids with superimposed disorder and polaron effects. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2001, 81, 561-568. | 0.6 | 12 |
| 23 | Defect clusters and simple defect build-up kinetics in fast-neutron irradiated n-Si. Physica Status Solidi A, 1978, 50, 751-755. | 1.7 | 10 |
| 24 | Theory of the phononless high frequency conductivity in disordered systems. Physica Status Solidi (B): Basic Research, 1977, 83, K29. | 1.5 | 8 |
| 25 | Electric field and grain size dependence of Meyer–Neldel energy in C60 films. Synthetic Metals, 2011, 161, 1987-1990. | 3.9 | 8 |
| 26 | Role of transport band edge variation on delocalized charge transport in high-mobility crystalline organic semiconductors. Physical Review B, 2017, 96, . | 3.2 | 8 |
| 27 | Low-frequency conductivity in disordered systems due to variable-range hopping. Journal of Physics C: Solid State Physics, 1980, 13, L493-L497. | 1.5 | 7 |
| 28 | Theory of the Phononless High Frequency Hall Effect in Disordered Systems. Physica Status Solidi (B): Basic Research, 1978, 89, 61-68. | 1.5 | 6 |
| 29 | Phononless Faraday effect in disordered systems. Solid State Communications, 1979, 29, 99-102. | 1.9 | 6 |
| 30 | A-centres build-up kinetics in the conductive matrix of pulled n-type silicon with calculation of their recharges at defect clusters. Physica Status Solidi A, 1981, 67, 407-411. | 1.7 | 6 |
| 31 | Theory of low-field hopping mobility in organic solids with energetic and positional disorder. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 271-274. | 0.8 | 6 |
| 32 | Analytic model of hopping transport in organic semiconductors including both energetic disorder and polaronic contributions. , 2014, , . | | 6 |
| 33 | Theoretical investigation of the frequency dependence of conductivity tensor in disordered systems in the presence of a magnetic field. Journal of Physics C: Solid State Physics, 1980, 13, 2703-2713. | 1.5 | 5 |
| 34 | Does the Temperature Dependence of the Charge Carrier Mobility in Disordered Organic Semiconductors at Large Carrier Concentrations Obey the Meyer–Neldel Compensation Law?. Molecular Crystals and Liquid Crystals, 2011, 535, 1-9. | 0.9 | 5 |
| 35 | Negative field-dependent charge mobility in crystalline organic semiconductors with delocalized transport. Chemical Papers, 2018, 72, 1685-1695. | 2.2 | 5 |
| 36 | The AC magnetoresistance in inhomogeneous solids. Journal of Physics Condensed Matter, 1992, 4, 8045-8052. | 1.8 | 4 |

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|----|--|-----|-----------|
| 37 | Hopping Model of Charge-Carrier Transport in Organic Nanoparticle Systems. Springer Proceedings in Physics, 2013, , 205-242. | 0.2 | 4 |
| 38 | On the theory of hopping transport in organic solids with superimposed disorder and polaron effects. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2001, 81, 561-568. | 0.6 | 4 |
| 39 | On theory of the hall and Faraday effects in disordered systems of twoâ€level atoms. Physica Status Solidi (B): Basic Research, 1979, 91, K179. | 1.5 | 3 |
| 40 | Theoretical Investigation of the Field Dependence of the Direct Current in Inhomogeneous Semiconductors. Physica Status Solidi (B): Basic Research, 1982, 111, K17. | 1.5 | 3 |
| 41 | Theory of the Thermopower and Nernst Effect in Random Twoâ€Component Solid Systems. Physica Status Solidi (B): Basic Research, 1995, 190, 545-553. | 1.5 | 3 |
| 42 | Anisotropic Strain Effect on Electron Transport in C60 Organic Field Effect transistors. Materials Research Society Symposia Proceedings, 2013, 1501, 1. | 0.1 | 3 |
| 43 | Origin of Electric Field Dependence of the Charge Mobility and Spatial Energy Correlations in C60-Based Field Effect Transistors. Molecular Crystals and Liquid Crystals, 2014, 589, 18-28. | 0.9 | 3 |
| 44 | Unraveling the Role of Multiphonon Excitations and Disorder Concerning the Meyer-Neldel Type Compensation Effect in Organic Semiconductors. Physical Review Applied, 2018, 10, . | 3.8 | 3 |
| 45 | AC Conductivity Tensor of Disordered Systems in the Presence of a Magnetic Field. Physica Status Solidi (B): Basic Research, 1980, 99, 477-485. | 1.5 | 2 |
| 46 | Polarons in wide-band-gap molecular materials: Polysilanes. Journal of Non-Crystalline Solids, 2007, 353, 4474-4478. | 3.1 | 2 |
| 47 | Theory of hopping charge-carrier transport at large carrier concentrations in disordered organic solids: Polarons versus bare charge carriers. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 746-749. | 0.8 | 2 |
| 48 | Polaronic transport in polysilanes. Journal of Physics: Conference Series, 2009, 193, 012108. | 0.4 | 2 |
| 49 | Dispersion of the permittivity tensor of solid solutions. Theoretical and Mathematical Physics(Russian Federation), 1973, 17, 1136-1142. | 0.9 | 1 |
| 50 | Theory of Phononless Raman Scattering in Disordered Systems. Physica Status Solidi (B): Basic Research, 1980, 98, K95. | 1.5 | 1 |
| 51 | Effective Medium Theory for the DC Conductivity and Hall Effect of Inhomogeneous Semiconductors in High Electrical Fields. Physica Status Solidi (B): Basic Research, 1982, 113, 549-557. | 1.5 | 1 |
| 52 | Theory of the AC Hall effect in polycrystalline semiconductors. Journal of Physics Condensed Matter, 1994, 6, 2747-2750. | 1.8 | 1 |
| 53 | On the theory of thermopower in random Two omponent solids. Physica Status Solidi (B): Basic Research, 1996, 196, K25. | 1.5 | 1 |
| 54 | Hopping polaron transport in disordered organic solids. Physica Status Solidi C: Current Topics in Solid State Physics 2004, 1, 152-155 | 0.8 | 1 |

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| 55 | Charge Carrier Transport in Disordered Organic Materials in the Presence of Traps. Molecular Crystals and Liquid Crystals, 2005, 426, 71-80. | 0.9 | 1 |
| 56 | Feature of Polaronic Charge Carriers in Polysilanes: Experimental and Theoretical Approach. Molecular Crystals and Liquid Crystals, 2010, 521, 72-83. | 0.9 | 1 |
| 57 | Electric field dependence of charge-carrier hopping transport at large carrier concentrations in disordered organic solids: Meyer-Neldel and Gill energies. Journal of Physics: Conference Series, 2012, 376, 012011. | 0.4 | 1 |
| 58 | Effective Medium Approximation Theory Description of Charge-Carrier Transport in Organic Field-Effect Transistors. Springer Series in Materials Science, 2013, , 171-201. | 0.6 | 1 |
| 59 | Random band-edge model description of thermoelectricity in high-mobility disordered semiconductors: Application to the amorphous oxide In-Ga-Zn-O. Physical Review B, 2022, 105, . | 3.2 | 1 |
| 60 | Non-linear conduction in networks of random potential barriers. Physica Status Solidi (B): Basic Research, 1986, 134, 805-813. | 1.5 | 0 |
| 61 | Theory of the AC Hall Effect and Magnetoresistance in Polycrystalline Systems. Physica Status Solidi (B): Basic Research, 1995, 189, 479-487. | 1.5 | 0 |
| 62 | Thermomagnetic Phenomena in Randomly Inhomogeneous Solid Media. Physica Status Solidi (B): Basic Research, 1997, 199, 495-503. | 1.5 | 0 |
| 63 | Theory of the AC Conductivity and Hall Mobility in Inhomogeneous Anisotropic Solids. Physica Status Solidi (B): Basic Research, 1999, 212, 123-128. | 1.5 | 0 |
| 64 | Publisher's Note: Origin of Meyer-Neldel type compensation behavior in organic semiconductors at large carrier concentrations: Disorder versus thermodynamic description [Phys. Rev. B90, 245201 (2014)]. Physical Review B, 2015, 91, . | 3.2 | 0 |