# Dmitrii F Perepichka

List of Publications by Year
in descending order

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| 205 | 12,383 | 34493 54 | 32181 105 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 239 | 239 | 239 | 15182 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Tetrathiafulvalenes, Oligoacenenes, and Their Buckminsterfullerene Derivatives:Â The Brick and Mortar of Organic Electronics. Chemical Reviews, 2004, 104, 4891-4946. | 23.0 | 1,606 |
| 2 | Light-Emitting Polythiophenes. Advanced Materials, 2005, 17, 2281-2305. | 11.1 | 858 |
| 3 | Synthesis of Polyphenylene Molecular Wires by Surfaceâ€Confined Polymerization. Small, 2009, 5, 592-597. | 5.2 | 314 |
| 4 | Extending Polymer Conjugation into the Second Dimension. Science, 2009, 323, 216-217. | 6.0 | 296 |
| 5 | Conjugated Covalent Organic Frameworks via Michael Additionâ€“Elimination. Journal of the American Chemical Society, 2017, 139, 2421-2427. | 6.6 | 286 |
| 6 | Supramolecular Assemblies on Surfaces: Nanopatterning, Functionality, and Reactivity. ACS Nano, 2018, 12, 7445-7481. | 7.3 | 225 |
| 7 | Ï€-Electron Conjugation in Two Dimensions. Journal of the American Chemical Society, 2013, 135, 16585-16594. | 6.6 | 214 |
| 8 | Solid-State Synthesis of a Conducting Polythiophene via an Unprecedented Heterocyclic Coupling Reaction. Journal of the American Chemical Society, 2003, 125, 15151-15162. | 6.6 | 196 |
| 9 | Towards â€œgreenâ€•electronic materials. Î±-Oligofurans as semiconductors. Chemical Communications, 2011, 47, 1976-1978. | 2.2 | 196 |
| 10 | Insight into Organometallic Intermediate and Its Evolution to Covalent Bonding in Surface-Confined Ullmann Polymerization. ACS Nano, 2013, 7, 8190-8198. | 7.3 | 190 |
| 11 | Near-IR Photoresponse in New Up-Converting CdSe/NaYF<sub>4</sub>:Yb,Er Nanoheterostructures. Journal of the American Chemical Society, 2010, 132, 8868-8869. | 6.6 | 183 |
| 12 | Improving Biocompatibility of Implantable Metals by Nanoscale Modification of Surfaces: An Overview of Strategies, Fabrication Methods, and Challenges. Small, 2009, 5, 996-1006. | 5.2 | 182 |
| 13 | Molecules with Exceptionally Small HOMO-LUMO Gaps. Angewandte Chemie - International Edition, 2005, 44, 5370-5373. | 7.2 | 175 |
| 14 | Rational Modulation of the Periodicity in Linear Hydrogen-Bonded Assemblies of Trimesic Acid on Surfaces. Journal of the American Chemical Society, 2006, 128, 4212-4213. | 6.6 | 169 |
| 15 | Mastering fundamentals of supramolecular design with carboxylic acids. Common lessons from X-ray crystallography and scanning tunneling microscopy. Chemical Society Reviews, 2011, 40, 191-206. | 18.7 | 164 |
| 16 | Synthesis of mesoscale ordered two-dimensional Ï€-conjugated polymers with semiconducting properties. Nature Materials, 2020, 19, 874-880. | 13.3 | 158 |
| 17 | Facile Solid-State Synthesis of Highly Conducting Poly(ethylenedioxythiophene). Angewandte Chemie - International Edition, 2003, 42, 658-661. | 7.2 | 147 |
| 18 | Two-Dimensional Structural Motif in Thienoacene Semiconductors: Synthesis, Structure, and Properties of Tetrathienoanthracene Isomers. Chemistry of Materials, 2008, 20, 2484-2494. | 3.2 | 144 |

| # | Article | IF | Citations |
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| 19 | Crystal Engineering of Dual Channel p/n Organic Semiconductors by Complementary Hydrogenâ€…Bonding. Angewandte Chemie - International Edition, 2014, 53, 2138-2142. | 7.2 | 140 |
| 20 | 2D Poly(arylene vinylene) Covalent Organic Frameworks via Aldol Condensation of Trimethyltriazine. Angewandte Chemie - International Edition, 2019, 58, 13753-13757. | 7.2 | 137 |
| 21 | Maximizing Fieldâ€Effect Mobility and Solidâ€State Luminescence in Organic Semiconductors. Angewandte Chemie - International Edition, 2012, 51, 3837-3841. | 7.2 | 135 |
| 22 | Supramolecular Ordering in Oligothiopheneâ˜Fullerene Monolayers. Journal of the American Chemical Society, 2009, 131, 16844-16850. | 6.6 | 134 |
| 23 | Nanoscale Oxidative Patterning of Metallic Surfaces to Modulate Cell Activity and Fate. Nano Letters, 2009, 9, 659-665. | 4.5 | 134 |
| 24 | Synthesis and Characterization of Conjugated Mono- and Dithiol Oligomers and Characterization of Their Self-Assembled Monolayers. Langmuir, 2003, 19, 4272-4284. | 1.6 | 132 |
| 25 | Crystal Engineering in Two Dimensions:â€‰ An Approach to Molecular Nanopatterning. Journal of Physical Chemistry C, 2007, 111, 16996-17007. | 1.5 | 132 |
| 26 | Flexible Asymmetric Supercapacitors via Spray Coating of a New Electrochromic Donorâ€“Acceptor Polymer. Advanced Energy Materials, 2017, 7, 1601623. | 10.2 | 131 |
| 27 | Synthesis and electronic structure of a two dimensional Ï€-conjugated polythiophene. Chemical Science, 2013, 4, 3263. | 3.7 | 130 |
| 28 | Crystal Engineering of Room Temperature Phosphorescence in Organic Solids. Angewandte Chemie - International Edition, 2020, 59, 9977-9981. | 7.2 | 129 |
| 29 | Heterocirculenes as a new class of organic semiconductors. Chemical Communications, 2008, , 5354. | 2.2 | 126 |
| 30 | Halogen bonds in 2D supramolecular self-assembly of organic semiconductors. Nanoscale, 2012, 4, 5965. | 2.8 | 120 |
| 31 | Step-by-step growth of epitaxially aligned polythiophene by surface-confined reaction. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11200-11204. | 3.3 | 117 |
| 32 | New azaborine-thiophene heteroacenes. Chemical Communications, 2010, 46, 7007. | 2.2 | 110 |
| 33 | The First Studies of a Tetrathiafulvalene-Ïƒ-Acceptor Molecular Rectifier. Chemistry - A European Journal, 2005, 11, 2914-2922. | 1.7 | 106 |
| 34 | Ullmann-type coupling of brominated tetrathienoanthracene on copper and silver. Nanoscale, 2014, 6, 2660-2668. | 2.8 | 106 |
| 35 | A Covalent Tetrathiafulvaleneâ€“Tetracyanoquinodimethane Diad: Extremely Low HOMOâ€“LUMO Gap, Thermoexcited Electron Transfer, and High-Quality Langmuirâ€“Blodgett Films. Angewandte Chemie - International Edition, 2003, 42, 4636-4639. | 7.2 | 104 |
| 36 | Multiple NaNbO<sub>3</sub>/Nb<sub>2</sub>O<sub>5</sub> Heterostructure Nanotubes: A New Class of Ferroelectric/Semiconductor Nanomaterials. Advanced Materials, 2010, 22, 1741-1745. | 11.1 | 104 |

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| 37 | Transformation between 2D and 3D Covalent Organic Frameworks via Reversible [2 + 2] Cycloaddition. Journal of the American Chemical Society, 2020, 142, 8862-8870. | 6.6 | 101 |
| 38 | Supramolecular assembly of heterocirculenes in 2D and 3D. Chemical Communications, 2009, , 1192. | 2.2 | 100 |
| 39 | Halogen bonds as stabilizing interactions in a chiral self-assembled molecular monolayer. Chemical Communications, 2011, 47, 9453. | 2.2 | 91 |
| 40 | Lanthanide Ion Doped Upconverting Nanoparticles: Synthesis, Structure and Properties. Small, 2016, 12, 3888-3907. | 5.2 | 91 |
| 41 | Quasi one-dimensional band dispersion and surface metallization in long-range ordered polymeric wires. Nature Communications, 2016, 7, 10235. | 5.8 | 91 |
| 42 | Stabilization of exotic minority phases in a multicomponent self-assembled molecular network. Nanotechnology, 2007, 18, 424031. | 1.3 | 90 |
| 43 | Silicon Nanotubes. Small, 2006, 2, 22-25. | 5.2 | 89 |
| 44 | Synthesis, Polymerization, and Unusual Properties of New Star-Shaped Thiophene Oligomers. Organic Letters, 2009, 11, 3230-3233. | 2.4 | 85 |
| 45 | Crystal Engineering of Room Temperature Phosphorescence in Organic Solids. Angewandte Chemie, 2020, 132, 10063-10067. | 1.6 | 82 |
| 46 | Mechanistic Picture and Kinetic Analysis of Surface-Confined Ullmann Polymerization. Journal of the American Chemical Society, 2016, 138, 16696-16702. | 6.6 | 81 |
| 47 | Oligofuran-containing molecules for organic electronics. Journal of Materials Chemistry C, 2013, 1, 4358. | 2.7 | 77 |
| 48 | Surface-confined single-layer covalent organic frameworks: design, synthesis and application. Chemical Society Reviews, 2020, 49, 2020-2038. | 18.7 | 73 |
| 49 | A One-Step Synthesis of a Poly(iptycene) through an Unusual Dielsâ^'Alder Cyclization/Dechlorination of Tetrachloropentacene. Journal of the American Chemical Society, 2003, 125, 10190-10191. | 6.6 | 72 |
| 50 | Quasi Temperature Independent Electron Mobility in Hexagonal Columnar Mesophases of an H-Bonded Benzotristhiophene Derivative. Chemistry of Materials, 2010, 22, 1420-1428. | 3.2 | 72 |
| 51 | A Two-Dimensional Poly(azatriangulene) Covalent Organic Framework with Semiconducting and Paramagnetic States. Journal of the American Chemical Society, 2020, 142, 2155-2160. | 6.6 | 72 |
| 52 | Photochemistry of the Ï€-Extended 9,10-Bis(1,3-dithiol-2-ylidene)- 9,10-dihydroanthracene System: Generation and Characterisation of the Radical Cation, Dication, and Derived Products. Chemistry - A European Journal, 2001, 7, 973-978. | 1.7 | 67 |
| 53 | A (Ï€-Extended Tetrathiafulvalene)â^'Fluorene Conjugate. Unusual Electrochemistry and Charge Transfer Properties:Â The First Observation of a Covalent D2+â^'Ïƒâ^'Aâ€¢-Redox State1. Journal of the American Chemical Society, 2002, 124, 14227-14238. | 6.6 | 60 |
| 54 | Advances and Challenges in the Synthesis of Poly(pâ€phenylene vinylene)â€Based Polymers. Israel Journal of Chemistry, 2014, 54, 674-688. | 1.0 | 59 |

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| 55 | Substrate, Molecular Structure, and Solvent Effects in 2D Self-Assembly via Hydrogen and Halogen Bonding. Journal of Physical Chemistry C, 2014, 118, 25505-25516. | 1.5 | 59 |
| 56 | Unprecedented Transformation of Tetrathienoanthracene into Pentacene on Ni(111). ACS Nano, 2013, 7, 1652-1657. | 7.3 | 54 |
| 57 | The role of halogens in on-surface Ullmann polymerization. Faraday Discussions, 2017, 204, 453-469. | 1.6 | 54 |
| 58 | A Pureâ€Red Doublet Emission with 90â€‰% Quantum Yield: Stable, Colorless, Iodinated Triphenylmethane Solid. Angewandte Chemie - International Edition, 2020, 59, 23030-23034. | 7.2 | 54 |
| 59 | Electron Acceptors of the Fluorene Series. 9.1Derivatives of 9-(1,2-Dithiol-3-ylidene)-, 9-(1,3-Dithiol-2-ylidene)-, and 9-(1,3-Selenathiol-2-ylidene)fluorenes:Â Synthesis, Intramolecular Charge Transfer, and Redox Properties. Journal of Organic Chemistry, 1999, 64, 6937-6950. | 1.7 | 52 |
| 60 | Electron Acceptors of the Fluorene Series. 7.12,7-Dicyano-4,5-dinitro-9-X-fluorenes:Â Synthesis, Cyclic Voltammetry, Charge Transfer Complexation withN-Propylcarbazole in Solution, and X-ray Crystal Structures of Two Tetrathiafulvalene Complexes. Journal of Organic Chemistry, 1998, 63, 6484-6493. | 1.7 | 51 |
| 61 | Environmentally stable light emitting field effect transistors based on 2-(4-pentylstyryl)tetracene. Journal of Materials Chemistry, 2008, 18, 158-161. | 6.7 | 49 |
| 62 | 1,5-, 2,6- and 9,10-distyrylanthracenes as luminescent organic semiconductors. Journal of Materials Chemistry C, 2013, 1, 2817. | 2.7 | 48 |
| 63 | Solution and air stable host/guest architectures from a single layer covalent organic framework. Chemical Communications, 2015, 51, 16510-16513. | 2.2 | 48 |
| 64 | Strong Enhancement of Ï€â€Electron Donor/Acceptor Ability by Complementary DD/AA Hydrogen Bonding. Angewandte Chemie - International Edition, 2019, 58, 17312-17321. | 7.2 | 48 |
| 65 | Rectifying Diodes from Asymmetrically Functionalized Single-Wall Carbon Nanotubes. Journal of the American Chemical Society, 2006, 128, 3134-3135. | 6.6 | 47 |
| 66 | Mechanism of the Photodegradation of Aâ€Dâ€A Acceptors for Organic Photovoltaics**. Angewandte Chemie - International Edition, 2021, 60, 24833-24837. | 7.2 | 47 |
| 67 | Engineering a Remarkably Low HOMOâ€“LUMO Gap by Covalent Linkage of a Strong -Donor and a -Acceptorâ€”Tetrathiafulvalene--Polynitrofluorene Diads: Their Amphoteric Redox Behavior, Electron Transfer and Spectroscopic Properties. Chemistry - A European Journal, 2002, 8, 4656-4669. | 1.7 | 46 |
| 68 | Surface confined pseudorotaxanes with electrochemically controllable complexation propertiesElectronic supplementary information (ESI) available: further experimental and theoretical data. See http://www.rsc.org/suppdata/jm/b3/b306274k/. Journal of Materials Chemistry, 2003, 13, 2111. | 6.7 | 46 |
| 69 | Metal Nanoparticles: From â€œArtificial Atomsâ€•to â€œArtificial Moleculesâ€• Angewandte Chemie - International Edition, 2007, 46, 6006-6008. | 7.2 | 45 |
| 70 | Trialkyltetrathiafulvaleneâˆ’Ïƒâˆ’Tetracyanoanthraquinodimethane (R3TTFâˆ’Ïƒâˆ’TCNAQ) Diads:Â Synthesis, Intramolecular Charge-Transfer Properties, and X-ray Crystal Structure. Journal of Organic Chemistry, 2001, 66, 4517-4524. | 1.7 | 44 |
| 71 | Unravelling the Self-Assembly of Hydrogen Bonded NDI Semiconductors in 2D and 3D. Chemistry of Materials, 2016, 28, 951-961. | 3.2 | 41 |
| 72 | H-Bonding Control of Supramolecular Ordering of Diketopyrrolopyrroles. Chemistry of Materials, 2017, 29, 2979-2987. | 3.2 | 41 |

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| 73 | Quantifying Planarity in the Design of Organic Electronic Materials. Angewandte Chemie - International Edition, 2021, 60, 1364-1373. | 7.2 | 41 |
| 74 | The First Tetrathiafulvaleneâ˜' Ïƒâ˜'Polynitrofluorene Diads: Low HOMOâ˜'LUMO Gap, Amphoteric Redox Behavior, and Charge Transfer Properties. Organic Letters, 2001, 3, 1431-1434. | 2.4 | 38 |
| 75 | Molecular Assembly of Rubrene on a Metal/Metal Oxide Nanotemplate. Journal of Physical Chemistry A, 2007, 111, 12674-12678. | 1.1 | 38 |
| 76 | Electrically conductive covalent organic frameworks: bridging the fields of organic metals and 2D materials. Journal of Materials Chemistry C, 2021, 9, 10668-10676. | 2.7 | 38 |
| 77 | Tuning the Electronic Properties of Poly(thienothiophene vinylene)s via Alkylsulfanyl and Alkylsulfonyl Substituents. Macromolecules, 2013, 46, 9231-9239. | 2.2 | 37 |
| 78 | Two-Dimensional Self-Assembly of a Symmetry-Reduced Tricarboxylic Acid. Langmuir, 2013, 29, 7318-7324. | 1.6 | 37 |
| 79 | A Molecular Necklace: Threading Î²-Cyclodextrins onto Polymers Derived from Bile Acids. Angewandte Chemie - International Edition, 2016, 55, 11979-11983. | 7.2 | 37 |
| 80 | Synthesis of Conjugated Tetrathiafulvalene (TTF)-Ï€-Acceptor Molecules â˜' Intramolecular Charge Transfer and Nonlinear Optical Properties. European Journal of Organic Chemistry, 2001, 2001, 1927-1935. | 1.2 | 35 |
| 81 | The dissolution of carbon nanotubes in aniline, revisitedElectronic Supplementary Information (ESI) available: additional TEM pictures of aniline treated MWNTs and SEM of the PTFE membranes used in the work. See http://www.rsc.org/suppdata/jm/b4/b403509g/. Journal of Materials Chemistry, 2004, 14, 2749. | 6.7 | 35 |
| 82 | Towards crystal engineering of solid-state polymerization in dibromothiophenes. Journal of Materials Chemistry, 2009, 19, 5167. | 6.7 | 35 |
| 83 | A 2D Substitutional Solid Solution through Hydrogen Bonding of Molecular Building Blocks. ACS Nano, 2017, 11, 8901-8909. | 7.3 | 35 |
| 84 | Recent advances in room temperature phosphorescence of crystalline boron containing organic compounds. Aggregate, 2022, 3, e123. | 5.2 | 35 |
| 85 | Influence of heteroatoms on the charge mobility of anthracene derivatives. Journal of Materials Chemistry C, 2016, 4, 3517-3522. | 2.7 | 34 |
| 86 | Trifluoromethyl Group-Modified Non-Fullerene Acceptor toward Improved Power Conversion Efficiency over 13% in Polymer Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 11543-11550. | 4.0 | 34 |
| 87 | The Interplay of Inverted Redox Potentials and Aromaticity in the Oxidized States of New Ï€-Electron Donors: 9-(1,3-Dithiol-2-ylidene)fluorene and 9-(1,3-Dithiol-2-ylidene)thioxanthene Derivatives. Chemistry - A European Journal, 2006, 12, 3389-3400. | 1.7 | 33 |
| 88 | Directing the Assembly of Gold Nanoparticles with Two-Dimensional Molecular Networks. ACS Nano, 2014, 8, 2214-2222. | 7.3 | 32 |
| 89 | Self-assembly of Rubrene on Copper Surfaces. Journal of Physical Chemistry C, 2008, 112, 10214-10221. | 1.5 | 31 |
| 90 | Self-assembled monolayer of alkanephosphoric acid on nanotextured Ti. Journal of Chemical Physics, 2008, 128, 144705. | 1.2 | 29 |

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| 91 | An unexpected organometallic intermediate in surface-confined Ullmann coupling. Nanoscale, 2019, 11, 7682-7689. | 2.8 | 29 |
| 92 | Surface-mediated assembly, polymerization and degradation of thiophene-based monomers. Chemical Science, 2019, 10, 5167-5175. | 3.7 | 28 |
| 93 | Combining High Electron Affinity and Intramolecular Charge Transfer in 1,3â€Dithioleâ€“Nitrofluorene Pushâ€“Pull Diads. Chemistry - A European Journal, 2008, 14, 2757-2770. | 1.7 | 27 |
| 94 | New stable donorâ€“acceptor dyads for molecular electronics. Journal of Materials Chemistry, 2011, 21, 1470-1478. | 6.7 | 27 |
| 95 | Donorâ€“Acceptor Intermediates and Low-Bandgap Polymers by Electropolymerization of Thienoazaborines. Macromolecules, 2011, 44, 4729-4734. | 2.2 | 26 |
| 96 | Pentacene on Ni(111): room-temperature molecular packing and temperature-activated conversion to graphene. Nanoscale, 2015, 7, 3263-3269. | 2.8 | 25 |
| 97 | Patchy Nanofibers from the Thin Film Selfâ€Assembly of a Conjugated Diblock Copolymer. Angewandte Chemie - International Edition, 2017, 56, 6152-6156. | 7.2 | 25 |
| 98 | Self-assembly of rubrene on Cu(111). Nanotechnology, 2008, 19, 424021. | 1.3 | 24 |
| 99 | 2D Self-Assembly of Fused Oligothiophenes: Molecular Control of Morphology. ACS Nano, 2012, 6, 7973-7980. | 7.3 | 24 |
| 100 | 2D Poly(arylene vinylene) Covalent Organic Frameworks via Aldol Condensation of Trimethyltriazine. Angewandte Chemie, 2019, 131, 13891-13895. | 1.6 | 24 |
| 101 | Electron acceptors of the fluorene series. Journal of Organometallic Chemistry, 2001, 637-639, 445-462. | 0.8 | 23 |
| 102 | Supramolecular ordering of difuryldiketopyrrolopyrrole: the effect of alkyl chains and inter-ring twisting. CrystEngComm, 2016, 18, 4285-4289. | 1.3 | 23 |
| 103 | Boosting Efficiency and Curtailing the Efficiency Roll-Off in Green Perovskite Light-Emitting Diodes via Incorporating Ytterbium as Cathode Interface Layer. ACS Applied Materials & Interfaces, 2020, 12, 18761-18768. | 4.0 | 23 |
| 104 | Synthesis, X-ray Structure, and Properties of a Tetrabenzannelated 1,2,4,5-Cyclophane. Angewandte Chemie - International Edition, 2002, 41, 3688-3691. | 7.2 | 22 |
| 105 | Highly Emissive and Electrochemically Stable Thienylene Vinylene Oligomers and Copolymers: An Unusual Effect of Alkylsulfanyl Substituents. Advanced Functional Materials, 2010, 20, 1661-1669. | 7.8 | 22 |
| 106 | A new approach to polycyclic azaarenes: visible-light photolysis of vinyl azides in the synthesis of diazabenzopyrene and diazaperylene. Journal of Materials Chemistry C, 2016, 4, 7269-7276. | 2.7 | 22 |
| 107 | A macrocyclic oligofuran: synthesis, solid state structure and electronic properties. Chemical Science, 2019, 10, 8527-8532. | 3.7 | 22 |
| 108 | Complementary Hydrogen Bonding Modulates Electronic Properties and Controls Selfâ€Assembly of Donor/Acceptor Semiconductors. Chemistry - A European Journal, 2016, 22, 17251-17261. | 1.7 | 21 |

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| 109 | A new simple synthesis of poly(thiophene-methine)s. Chemical Communications, 2005, , 4187. | 2.2 | 20 |
| 110 | Acenaphthylene as a building block for Ï€-electron functional materials. Journal of Materials Chemistry C, 2021, 9, 12448-12461. | 2.7 | 20 |
| 111 | Fluorene acceptors with intramolecular charge-transfer from 1,3-dithiole donor moieties: novel electron transport materials. Chemical Communications, 1998, , 819-820. | 2.2 | 19 |
| 112 | Reply to â€œComment on â€˜Insight into Organometallic Intermediate and Its Evolution to Covalent Bonding in Surface-Confined Ullmann Polymerizationâ€™â€• ACS Nano, 2014, 8, 1969-1971. | 7.3 | 19 |
| 113 | Pentacenobis(thiadiazole)dione, an n-Type Semiconductor for Field-Effect Transistors. Journal of Organic Chemistry, 2014, 79, 5858-5860. | 1.7 | 19 |
| 114 | Ï€â€Extended Indenofluorenes. Chemistry - A European Journal, 2015, 21, 6193-6201. | 1.7 | 18 |
| 115 | Synthesis and Divergent Electronic Properties of Two Ring-Fused Derivatives of 9,10-Diphenylanthracene. Organic Letters, 2015, 17, 4224-4227. | 2.4 | 18 |
| 116 | Synthesis of Macrocyclic Poly(3-hexylthiophene) and Poly(3-heptylselenophene) by Alkyne Homocoupling. ACS Macro Letters, 2016, 5, 1075-1079. | 2.3 | 18 |
| 117 | A smart polymer with a high sensitivity to temperature and humidity based on polyacrylamide hydrogel doped with polyiodide. Journal of Materials Chemistry C, 2016, 4, 11055-11058. | 2.7 | 18 |
| 118 | Alkyl chain length effects on double-deck assembly at a liquid/solid interface. Nanoscale, 2018, 10, 14993-15002. | 2.8 | 18 |
| 119 | PushÃ»pull dithiole Ã» fluorene acceptors as electron transport materials for holography. Synthetic Metals, 2001, 121, 1487-1488. | 2.1 | 17 |
| 120 | Facile Solid-State Synthesis of Highly Conducting Poly(ethylenedioxythiophene). Angewandte Chemie, 2003, 115, 682-685. | 1.6 | 17 |
| 121 | Supramolecular control of organic p/n-heterojunctions by complementary hydrogen bonding. Faraday Discussions, 2014, 174, 297-312. | 1.6 | 17 |
| 122 | Covalent organic frameworks from a monomer with reduced symmetry: polymorphism and SierpiÅ„ski triangles. Chemical Communications, 2019, 55, 13586-13589. | 2.2 | 17 |
| 123 | Synthesis of Boroxine and Dioxaborole Covalent Organic Frameworks via Transesterification and Metathesis of Pinacol Boronates. Journal of the American Chemical Society, 2021, 143, 13274-13280. | 6.6 | 17 |
| 124 | Ï€-Extended nitrofluorene-1,3-dithiole chromophore: enhancing the photoresponse of holographic materials through the balance of intramolecular charge transfer and electron affinity. Journal of Materials Chemistry, 2001, 11, 1772-1774. | 6.7 | 16 |
| 125 | Protecting the triplet excited state in sterically congested platinum porphyrin. Dalton Transactions, 2014, 43, 2676-2683. | 1.6 | 16 |
| 126 | Push-pull fluorene acceptors with ferrocene donor moiety. Synthetic Metals, 1999, 102, 1558-1559. | 2.1 | 15 |

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| 127 | Synthesis, Characterization and Properties of Regioregular Polythiophene-Based Materials. , 0, , 157-217. | | 15 |
| 128 | Polymorphism in New Thienothiopheneâ€“Thiazolothiazole Organic Semiconductors. ChemPhysChem, 2015, 16, 1173-1178. | 1.0 | 15 |
| 129 | A Wide Band Gap Naphthalene Semiconductor for Thinâ€Film Transistors. Advanced Electronic Materials, 2017, 3, 1600556. | 2.6 | 15 |
| 130 | Understanding the Photovoltaic Behavior of Aâ€“Dâ€“A Molecular Semiconductors through a Permutation of End Groups. Journal of Organic Chemistry, 2020, 85, 52-61. | 1.7 | 15 |
| 131 | Controlling Structural and Energetic Disorder in High-Mobility Polymer Semiconductors via Doping with Nitroaromatics. Chemistry of Materials, 2021, 33, 2937-2947. | 3.2 | 15 |
| 132 | Tip-induced Câ€“H activation and oligomerization of thienoanthracenes. Chemical Communications, 2014, 50, 8791-8793. | 2.2 | 14 |
| 133 | Aromatization of Benzannulated Perylene-3,9-diones: Unexpected Photophysical Properties and Reactivity. Organic Letters, 2016, 18, 3574-3577. | 2.4 | 14 |
| 134 | Band gap engineering of donorâ€“acceptor co-crystals by complementary two-point hydrogen bonding. Materials Chemistry Frontiers, 2020, 4, 3669-3677. | 3.2 | 14 |
| 135 | Nitroaromatics as n-type organic semiconductors for field effect transistors. Chemical Communications, 2020, 56, 6432-6435. | 2.2 | 14 |
| 136 | Room Temperature Phosphorescence vs Tripletâ€“Triplet Annihilation in N-Substituted Acridone Solids. Journal of Physical Chemistry Letters, 2021, 12, 6431-6438. | 2.1 | 14 |
| 137 | Areneâ€“perfluoroarene interactions in crystal engineering. 5.. Acta Crystallographica Section C: Crystal Structure Communications, 2001, 57, 1306-1307. | 0.4 | 13 |
| 138 | Synthesis, X-ray Structure, and Properties of a Tetrabenzannelated 1,2,4,5-Cyclophane. Angewandte Chemie, 2002, 114, 3840-3843. | 1.6 | 13 |
| 139 | Dithienonaphthothiadiazole semiconductors: synthesis, properties, and application to ambipolar field effect transistors. Journal of Materials Chemistry C, 2014, 2, 3972. | 2.7 | 13 |
| 140 | Polysiloxaneâ€“poly(vinyl alcohol) composite dielectrics for high-efficiency low voltage organic thin film transistors. Journal of Materials Chemistry C, 2019, 7, 4879-4886. | 2.7 | 13 |
| 141 | Hydrogen Bonding Versus Ï€-Stacking in Charge-Transfer Co-crystals. Crystal Growth and Design, 2021, 21, 2609-2613. | 1.4 | 13 |
| 142 | High thermal stability of block copolymer-capped Au and Cu nanoparticles. Chemical Communications, 2014, 50, 11919-11921. | 2.2 | 12 |
| 143 | Tailoring the Reaction Path in the On-Surface Chemistry of Thienoacenes. Journal of Physical Chemistry C, 2015, 119, 22432-22438. | 1.5 | 12 |
| 144 | Fluorination of a polymer donor through the trifluoromethyl group for high-performance polymer solar cells. Journal of Materials Chemistry A, 2020, 8, 12149-12155. | 5.2 | 12 |

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| 145 | Hydrogen bonding vs. moleculeâ€“surface interactions in 2D self-assembly of [C60]fullerenecarboxylic acids. Nanoscale, 2016, 8, 16955-16962. | 2.8 | 11 |
| 146 | Strong Enhancement of Ï€â€Electron Donor/Acceptor Ability by Complementary DD/AA Hydrogen Bonding. Angewandte Chemie, 2019, 131, 17473-17482. | 1.6 | 11 |
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