List of Publications by Year in descending order

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Ιταρίι Οςακά

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Solution Processable Pentafluorophenyl Endâ€Capped Dithienothiophene Organic Semiconductors for Holeâ€Transporting Organic Field Effect Transistors. Advanced Electronic Materials, 2022, 8, 2100648. | 2.6 | 7 |
| 2 | Naphthobisthiadiazole-Based π-Conjugated Polymers for Nonfullerene Solar Cells: Suppressing Intermolecular Interaction Improves Photovoltaic Performance. ACS Applied Materials & Interfaces, 2022, 14, 14400-14409. | 4.0 | 9 |
| 3 | Synergetic Effect on Enhanced Photovoltaic Performance of Spray-Coated Perovskite Solar Cells Enabled by Additive Doping and Antisolvent Additive Spraying Treatment. ACS Applied Energy Materials, 2022, 5, 4149-4158. | 2.5 | 10 |
| 4 | Tunable Photoelectric Properties of nâ€Type Semiconducting Polymer:Small Molecule Blends for Red Light Sensing Phototransistors. Advanced Optical Materials, 2022, 10, . | 3.6 | 5 |
| 5 | Naphthobispyrazine Bisimide: A Strong Acceptor Unit for Conjugated Polymers Enabling Highly Coplanar Backbone, Short π–π Stacking, and High Electron Transport. Chemistry of Materials, 2022, 34, 2717-2729. | 3.2 | 15 |
| 6 | Stability improvement mechanism due to less charge accumulation in ternary polymer solar cells. Npj Flexible Electronics, 2022, 6, . | 5.1 | 12 |
| 7 | Ester-functionalized quinoxaline-based polymers for application in organic photovoltaics. Materials Chemistry and Physics, 2022, 287, 126225. | 2.0 | 2 |
| 8 | Multiâ€Channel Pumped Ultrasonic Sprayâ€Coating for Highâ€Throughput and Scalable Mixed Halide Perovskite Solar Cells. Advanced Materials Interfaces, 2021, 8, 2001509. | 1.9 | 13 |
| 9 | Ï€-Conjugated Polymers Incorporating Naphthalene-Based Nitrogen-Containing Heteroaromatics for Organic Photovoltaics. , 2021, , 541-559. | | 1 |
| 10 | Visible light-driven Giese reaction with alkyl tosylates catalysed by nucleophilic cobalt. RSC Advances, 2021, 11, 3539-3546. | 1.7 | 15 |
| 11 | Bithiazole Dicarboxylate Ester: An Easily Accessible Electron-Deficient Building Unit for π-Conjugated Polymers Enabling Electron Transport. Macromolecules, 2021, 54, 3489-3497. | 2.2 | 9 |
| 12 | N-type Semiconducting Polymers Based on Dicyano Naphthobisthiadiazole: High Electron Mobility with Unfavorable Backbone Twist. Chemistry of Materials, 2021, 33, 2218-2228. | 3.2 | 16 |
| 13 | Ultrasonic Sprayâ€Coatings: Multiâ€Channel Pumped Ultrasonic Sprayâ€Coating for Highâ€Throughput and Scalable Mixed Halide Perovskite Solar Cells (Adv. Mater. Interfaces 5/2021). Advanced Materials Interfaces, 2021, 8, 2170023. | 1.9 | 1 |
| 14 | Spray deposition of NiOx hole transport layer and perovskite photoabsorber in fabrication of photovoltaic mini-module. Journal of Power Sources, 2021, 491, 229586. | 4.0 | 16 |
| 15 | Self-powered ultraflexible photonic skin for continuous bio-signal detection via air-operation-stable polymer light-emitting diodes. Nature Communications, 2021, 12, 2234. | 5.8 | 121 |
| 16 | One-Step Spray-Coated All-Inorganic CsPbI ₂ Br Perovskite Solar Cells. ACS Applied Energy Materials, 2021, 4, 5466-5474. | 2.5 | 16 |
| 17 | Development of ï€-Conjugated Materials for Efficient Organic Solar Cells. , 2021, , . | | 0 |
| 18 | Molecular Understanding of How the Interfacial Structure Impacts the Open-Circuit Voltage of Highly Crystalline Polymer Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 34357-34366. | 4.0 | 2 |

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|----|---|------|-----------|
| 19 | Effect of Ester Side Chains on Photovoltaic Performance in Thiophene-Thiazolothiazole Copolymers. Bulletin of the Chemical Society of Japan, 2021, 94, 2019-2027. | 2.0 | 6 |
| 20 | Contrasting Effect of Sideâ€Chain Placement on Photovoltaic Performance of Binary and Ternary Blend Organic Solar Cells in Benzodithiopheneâ€Thiazolothiazole Polymers. ChemSusChem, 2021, 14, 5032-5041. | 3.6 | 9 |
| 21 | Donor–Acceptor Polymers Containing 4,8-Dithienylbenzo[1,2- <i>b</i> :4,5- <i>b</i> ′]dithiophene via Highly Selective Direct Arylation Polymerization. ACS Applied Polymer Materials, 2021, 3, 830-836. | 2.0 | 17 |
| 22 | Extended π-Electron Delocalization in Quinoid-Based Conjugated Polymers Boosts Intrachain Charge Carrier Transport. Chemistry of Materials, 2021, 33, 8183-8193. | 3.2 | 17 |
| 23 | Polymer Solar Cells: Development of π-Conjugated Polymers with Controlled Energetics and Structural Orders. , 2021, , 89-121. | | 1 |
| 24 | Analyses of Charge Accumulation of PTzBT Ternary Polymer Solar Cells Using ESR Spectroscopy. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2021, 34, 351-356. | 0.1 | 3 |
| 25 | Pronounced Backbone Coplanarization by π-Extension in a Sterically Hindered Conjugated Polymer System Leads to Higher Photovoltaic Performance in Non-Fullerene Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 56420-56429. | 4.0 | 11 |
| 26 | Direct Suzuki–Miyaura Coupling with Naphthalene-1,8-diaminato (dan)-Substituted Organoborons. ACS Catalysis, 2020, 10, 346-351. | 5.5 | 47 |
| 27 | Impact of Noncovalent Sulfur–Fluorine Interaction Position on Properties, Structures, and Photovoltaic Performance in Naphthobisthiadiazoleâ€Based Semiconducting Polymers. Advanced Energy Materials, 2020, 10, 1903278. | 10.2 | 39 |
| 28 | Reductive amidation of alkyl tosylates with isocyanates by a Ni/Co-dual catalytic system. Chemical Communications, 2020, 56, 1247-1250. | 2.2 | 11 |
| 29 | Mixed-Ligand Approach to Palladium-Catalyzed Direct Arylation Polymerization: Synthesis of Donor–Acceptor Polymers Containing Unsubstituted Bithiophene Units. Macromolecules, 2020, 53, 158-164. | 2.2 | 19 |
| 30 | Controlled steric selectivity in molecular doping towards closest-packed supramolecular conductors. Communications Materials, 2020, 1, . | 2.9 | 11 |
| 31 | Significantly Sensitized Ternary Blend Polymer Solar Cells with a Very Small Content of the Narrow-Band Gap Third Component That Utilizes Optical Interference. Macromolecules, 2020, 53, 10623-10635. | 2.2 | 17 |
| 32 | Ï€-Conjugated polymers and molecules enabling small photon energy loss simultaneously with high efficiency in organic photovoltaics. Journal of Materials Chemistry A, 2020, 8, 20213-20237. | 5.2 | 34 |
| 33 | Sequential Ultrasonic Sprayâ€Coating Planar Three Layers for 1 cm ² Active Area Inverted Perovskite Solar Cells. Energy Technology, 2020, 8, 2000216. | 1.8 | 10 |
| 34 | Effect of Spacer Length in Naphthobispyrazine-Based π-Conjugated Polymers on Properties, Thin Film Structures, and Photovoltaic Performances. Bulletin of the Chemical Society of Japan, 2020, 93, 949-957. | 2.0 | 0 |
| 35 | Small-bandgap quinoid-based ï€-conjugated polymers. Journal of Materials Chemistry C, 2020, 8, 14262-14288. | 2.7 | 55 |
| 36 | Dithiazolylthienothiophene Bisimide-Based π-Conjugated Polymers: Improved Synthesis and Application to Organic Photovoltaics as P-Type Semiconductor. Bulletin of the Chemical Society of Japan, 2020, 93, 561-567. | 2.0 | 4 |

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|----|---|------|-----------|
| 37 | Semiconducting small molecule/polymer blends for organic transistors. Polymer, 2020, 191, 122208. | 1.8 | 31 |
| 38 | Direct Evidence of Less Charge Accumulation in Highly Durable Polymer Solar Cells Using Operando Electron Spin Resonance Spectroscopy. ACS Applied Energy Materials, 2020, 3, 2028-2036. | 2.5 | 11 |
| 39 | Analyses of PTzNTz Polymer Solar Cells Using ESR Spectroscopy. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2020, 33, 97-102. | 0.1 | 6 |
| 40 | One-pot Sequential Fluorostannylation–Arylstannylation of Arynes. Chemistry Letters, 2019, 48, 1032-1034. | 0.7 | 11 |
| 41 | Ultrasonic Spray-Coated Mixed Cation Perovskite Films and Solar Cells. ACS Sustainable Chemistry and Engineering, 2019, 7, 14217-14224. | 3.2 | 32 |
| 42 | Synthesis and Deformable Hierarchical Nanostructure of Intrinsically Stretchable ABA Triblock Copolymer Composed of Poly(3-hexylthiophene) and Polyisobutylene Segments. ACS Applied Polymer Materials, 2019, 1, 315-320. | 2.0 | 29 |
| 43 | Nickel/Cobalt-Catalyzed C(sp ³)–C(sp ³) Cross-Coupling of Alkyl Halides with Alkyl Tosylates. ACS Catalysis, 2019, 9, 9285-9291. | 5.5 | 62 |
| 44 | Anthranilamide (aam)-substituted arylboranes in direct carbon–carbon bond-forming reactions. Chemical Communications, 2019, 55, 2624-2627. | 2.2 | 25 |
| 45 | Dithiazolylthienothiophene Bisimide: A Novel Electron-Deficient Building Unit for N-Type Semiconducting Polymers. ACS Applied Materials & Interfaces, 2019, 11, 23410-23416. | 4.0 | 28 |
| 46 | Copper-catalyzed arylstannylation of arynes in a sequence. Chemical Communications, 2019, 55, 6503-6506. | 2.2 | 17 |
| 47 | Ester-Functionalized Naphthobispyrazine as an Acceptor Building Unit for Semiconducting Polymers: Synthesis, Properties, and Photovoltaic Performance. Macromolecules, 2019, 52, 3909-3917. | 2.2 | 9 |
| 48 | Understanding Comparable Charge Transport Between Edge-on and Face-on Polymers in a Thiazolothiazole Polymer System. ACS Applied Polymer Materials, 2019, 1, 1257-1262. | 2.0 | 18 |
| 49 | Ni/Co-Catalyzed Homo-Coupling of Alkyl Tosylates. Molecules, 2019, 24, 1458. | 1.7 | 13 |
| 50 | Copperâ€Catalyzed B(dan)â€Installing Allylic Borylation of Allylic Phosphates. Advanced Synthesis and Catalysis, 2019, 361, 2286-2290. | 2.1 | 17 |
| 51 | High Operation Stability of Ultraflexible Organic Solar Cells with Ultravioletâ€Filtering Substrates. Advanced Materials, 2019, 31, e1808033. | 11.1 | 44 |
| 52 | An anthranilamide-substituted borane [H–B(aam)]: its stability and application to iridium-catalyzed stereoselective hydroboration of alkynes. Chemical Communications, 2019, 55, 5420-5422. | 2.2 | 22 |
| 53 | A Thiazolothiazole-Based Semiconducting Polymer with Well-Balanced Hole and Electron Mobilities. Applied Sciences (Switzerland), 2019, 9, 451. | 1.3 | 2 |
| 54 | Durable Ultraflexible Organic Photovoltaics with Novel Metalâ€Oxideâ€Free Cathode. Advanced Functional Materials, 2019, 29, 1808378. | 7.8 | 34 |

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|----|---|------|-----------|
| 55 | Nickel-Catalyzed Reductive Bis-Allylation of Alkynes. Organic Letters, 2018, 20, 1457-1460. | 2.4 | 16 |
| 56 | Impact of side chain placement on thermal stability of solar cells in thiophene–thiazolothiazole polymers. Journal of Materials Chemistry C, 2018, 6, 3668-3674. | 2.7 | 15 |
| 57 | Selective Synthesis and Properties of Electronâ€Deficient Hybrid Naphthaleneâ€Based π onjugated Systems. Chemistry - A European Journal, 2018, 24, 19228-19235. | 1.7 | 9 |
| 58 | Scalable Ultrasonic Spray-Processing Technique for Manufacturing Large-Area CH ₃ NH ₃ PbI ₃ Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 38042-38050. | 4.0 | 43 |
| 59 | Correlation between Distribution of Polymer Orientation and Cell Structure in Organic Photovoltaics. ACS Applied Materials & Interfaces, 2018, 10, 32420-32425. | 4.0 | 16 |
| 60 | Three-component coupling of aryl iodides, allenes, and aldehydes catalyzed by a Co/Cr-hybrid catalyst. Beilstein Journal of Organic Chemistry, 2018, 14, 1413-1420. | 1.3 | 4 |
| 61 | Nickel and Nucleophilic Cobalt-Catalyzed Trideuteriomethylation of Aryl Halides Using Trideuteriomethyl <i>p</i> -Toluenesulfonate. Organic Letters, 2018, 20, 4375-4378. | 2.4 | 28 |
| 62 | Transparent Electrodes: Reverse-Offset Printed Ultrathin Ag Mesh for Robust Conformal Transparent Electrodes for High-Performance Organic Photovoltaics (Adv. Mater. 26/2018). Advanced Materials, 2018, 30, 1870190. | 11.1 | 2 |
| 63 | Anthranilamide (aam)-substituted diboron: palladium-catalyzed selective B(aam) transfer. Chemical Communications, 2018, 54, 9290-9293. | 2.2 | 21 |
| 64 | Bimolecular recombination and fill factor in crystalline polymer solar cells. Japanese Journal of Applied Physics, 2018, 57, 08RE01. | 0.8 | 7 |
| 65 | Reverseâ€Offset Printed Ultrathin Ag Mesh for Robust Conformal Transparent Electrodes for Highâ€Performance Organic Photovoltaics. Advanced Materials, 2018, 30, e1707526. | 11.1 | 59 |
| 66 | Copper-catalyzed Borylation of Bromoaryl Triflates with Diborons: Chemoselective Replacement of an Ar–Br Bond. Chemistry Letters, 2018, 47, 957-959. | 0.7 | 12 |
| 67 | (Invited) Reducing the Photon Energy Loss in Polymer Solar Cells. ECS Meeting Abstracts, 2018, , . | 0.0 | 0 |
| 68 | Copper-Catalyzed B(dan)-Installing Carboboration of Alkenes. Organic Letters, 2017, 19, 830-833. | 2.4 | 68 |
| 69 | Naphthobischalcogenadiazole Conjugated Polymers: Emerging Materials for Organic Electronics. Advanced Materials, 2017, 29, 1605218. | 11.1 | 91 |
| 70 | Highly nucleophilic vitamin B ₁₂ -assisted nickel-catalysed reductive coupling of aryl halides and non-activated alkyl tosylates. Chemical Communications, 2017, 53, 6401-6404. | 2.2 | 47 |
| 71 | Cumulative gain in organic solar cells by using multiple optical nanopatterns. Journal of Materials Chemistry A, 2017, 5, 10347-10354. | 5.2 | 24 |
| 72 | Aryne–Imine–Aryne Coupling Reaction via [4+2] Cycloaddition between Azaâ€ <i>o</i> â€Quinone Methides and Arynes. Asian Journal of Organic Chemistry, 2017, 6, 973-976. | 1.3 | 20 |

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| 73 | Naphthobispyrazine as an Electron-deficient Building Unit for π-Conjugated Polymers: Efficient Synthesis and Polymer Properties. Chemistry Letters, 2017, 46, 1193-1196. | 0.7 | 9 |
| 74 | Copper-Catalyzed Borylstannylation of Alkynes with Tin Fluorides. Organometallics, 2017, 36, 1345-1351. | 1.1 | 21 |
| 75 | Copper-catalyzed direct borylation of alkyl, alkenyl and aryl halides with B(dan). Organic Chemistry Frontiers, 2017, 4, 1215-1219. | 2.3 | 46 |
| 76 | Ligandâ€Free Copperâ€Catalyzed Cyano―and Alkynylstannylation of Arynes. ChemistrySelect, 2017, 2, 3212-3215. | 0.7 | 13 |
| 77 | Dithienyl Acenedithiophenediones as New Ï€â€Extended Quinoidal Cores: Synthesis and Properties. Chemistry - A European Journal, 2017, 23, 4579-4589. | 1.7 | 18 |
| 78 | B(MIDA)-Containing Diborons. ACS Omega, 2017, 2, 5911-5916. | 1.6 | 8 |
| 79 | Exploring Alkyl Chains in Benzobisthiazole-Naphthobisthiadiazole Polymers: Impact on Solar-Cell Performance, Crystalline Structures, and Optoelectronics. ACS Applied Materials & Interfaces, 2017, 9, 37702-37711. | 4.0 | 25 |
| 80 | Stretchable and waterproof elastomer-coated organic photovoltaics for washable electronic textile applications. Nature Energy, 2017, 2, 780-785. | 19.8 | 369 |
| 81 | 2-V operated flexible vertical organic transistor with good air stability and bias stress reliability. Organic Electronics, 2017, 50, 325-330. | 1.4 | 16 |
| 82 | Reduced exchange narrowing caused by gate-induced charge carriers in high-mobility donor–acceptor copolymers. Physical Review B, 2017, 95, . | 1.1 | 9 |
| 83 | Control of Major Carriers in an Ambipolar Polymer Semiconductor by Selfâ€Assembled Monolayers. Advanced Materials, 2017, 29, 1602893. | 11.1 | 66 |
| 84 | Effects of branching position of alkyl side chains on ordering structure and charge transport property in thienothiophenedione- and quinacridone-based semiconducting polymers. Polymer Journal, 2017, 49, 169-176. | 1.3 | 23 |
| 85 | Synthesis and Characterization of an Alkoxythiazole-thiazolothiazole Semiconducting Polymer for Organic Solar Cells. Electrochemistry, 2017, 85, 266-271. | 0.6 | 2 |
| 86 | Time-Resolved EPR Study on Photoinduced Charge-Transfer Trap State in Thiophene-Thiazolothiazole Copolymer Film. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2017, 30, 551-555. | 0.1 | 2 |
| 87 | Molecular ordering of spin-coated and electrosprayed P3HT:PCBM thin films and their applications to photovoltaic cell. Thin Solid Films, 2016, 612, 373-380. | 0.8 | 24 |
| 88 | Analyses of Thiophene-Based Donor–Acceptor Semiconducting Polymers toward Designing Optical and Conductive Properties: A Theoretical Perspective. Journal of Physical Chemistry C, 2016, 120, 8305-8314. | 1.5 | 17 |
| 89 | Very Small Bandgap π-Conjugated Polymers with Extended Thienoquinoids. Journal of the American Chemical Society, 2016, 138, 7725-7732. | 6.6 | 111 |
| 90 | Implication of Fluorine Atom on Electronic Properties, Ordering Structures, and Photovoltaic Performance in Naphthobisthiadiazole-Based Semiconducting Polymers. Journal of the American Chemical Society, 2016, 138, 10265-10275. | 6.6 | 319 |

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| 91 | Dithienylthienothiophenebisimide, a Versatile Electronâ€Deficient Unit for Semiconducting Polymers. Advanced Materials, 2016, 28, 6921-6925. | 11.1 | 83 |
| 92 | Soluble Dinaphtho[2,3- <i>b</i> :2′,3′- <i>f</i>]thieno[3,2- <i>b</i>]thiophene Derivatives for Solution-Processed Organic Field-Effect Transistors. ACS Applied Materials & Interfaces, 2016, 8, 3810-3824. | 4.0 | 43 |
| 93 | Design and elaboration of organic molecules for high field-effect-mobility semiconductors. Synthetic Metals, 2016, 217, 68-78. | 2.1 | 65 |
| 94 | Naphthodithiophene Diimide-Based Copolymers: Ambipolar Semiconductors in Field-Effect Transistors and Electron Acceptors with Near-Infrared Response in Polymer Blend Solar Cells. Macromolecules, 2016, 49, 1752-1760. | 2.2 | 73 |
| 95 | Amide-bridged terphenyl and dithienylbenzene units for semiconducting polymers. RSC Advances, 2016, 6, 16437-16447. | 1.7 | 4 |
| 96 | Highly Efficient and Stable Solar Cells Based on Thiazolothiazole and Naphthobisthiadiazole Copolymers. Scientific Reports, 2015, 5, 14202. | 1.6 | 53 |
| 97 | Study of Photoelectric Conversion in Benzotrithiophene-Based Conjugated Semiconducting Polymers. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2015, 28, 605-610. | 0.1 | 6 |
| 98 | Angularâ€5haped 4,9â€Dialkyl α―and βâ€Naphthodithiopheneâ€Based Donor–Acceptor Copolymers: Investig of Isomeric Structural Effects on Molecular Properties and Performance of Fieldâ€Effect Transistors and Photovoltaics. Advanced Functional Materials, 2015, 25, 6131-6143. | gation 7.8 | 49 |
| 99 | Efficient inverted polymer solar cells employing favourable molecular orientation. Nature Photonics, 2015, 9, 403-408. | 15.6 | 769 |
| 100 | High-efficiency polymer solar cells with small photon energy loss. Nature Communications, 2015, 6, 10085. | 5.8 | 358 |
| 101 | Backbone orientation in semiconducting polymers. Polymer, 2015, 59, A1-A15. | 1.8 | 156 |
| 102 | Naphthodithiophene Diimide (NDTI)-Based Semiconducting Copolymers: From Ambipolar to Unipolar n-Type Polymers. Macromolecules, 2015, 48, 576-584. | 2.2 | 81 |
| 103 | Thermally, Operationally, and Environmentally Stable Organic Thin-Film Transistors Based on Bis[1]benzothieno[2,3- <i>d</i> :2′,3′- <i>d</i> ′]naphtho[2,3- <i>b</i> :6,7- <i>b</i> à€²]dithiophene Deriva Effective Synthesis, Electronic Structures, and Structureâ€"Property Relationship. Chemistry of Materials, 2015, 27, 5049-5057. | tives: 3.2 | 58 |
| 104 | On the role of local charge carrier mobility in the charge separation mechanism of organic photovoltaics. Physical Chemistry Chemical Physics, 2015, 17, 17778-17784. | 1.3 | 35 |
| 105 | Thienothiopheneâ€2,5â€Dioneâ€Based Donor–Acceptor Polymers: Improved Synthesis and Influence of the Donor Units on Ambipolar Charge Transport Properties. Advanced Electronic Materials, 2015, 1, 1500039. | 2.6 | 32 |
| 106 | Naphthodithiophenediimide (NDTI)-based triads for high-performance air-stable, solution-processed ambipolar organic field-effect transistors. Journal of Materials Chemistry C, 2015, 3, 4244-4249. | 2.7 | 36 |
| 107 | α-Modified Naphthodithiophene Diimides—Molecular Design Strategy for Air-Stable n-Channel Organic Semiconductors. Chemistry of Materials, 2015, 27, 6418-6425. | 3.2 | 60 |
| 108 | Effect of Chalcogen Atom on the Properties of Naphthobischalcogenadiazole-Based π-Conjugated Polymers. Chemistry of Materials, 2015, 27, 6558-6570. | 3.2 | 78 |

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| 109 | Naphthodithiophenes: Emerging Building Blocks for Organic Electronics. Chemical Record, 2015, 15, 175-188. | 2.9 | 20 |
| 110 | Semiconducting polymers based on electron-deficient ï€-building units. Polymer Journal, 2015, 47, 18-25. | 1.3 | 32 |
| 111 | Dibenzo[a,e]pentalene-embedded dicyanomethylene-substituted thienoquinoidals for n-channel organic semiconductors: synthesis, properties, and device characteristics. Journal of Materials Chemistry C, 2015, 3, 283-290. | 2.7 | 32 |
| 112 | Achieving high efficiency and stability in inverted organic solar cells fabricated by laminated gold leaf as top electrodes. Applied Physics Express, 2014, 7, 111602. | 1.1 | 7 |
| 113 | 5, 10-linked naphthodithiophenes as the building block for semiconducting polymers. Science and Technology of Advanced Materials, 2014, 15, 024201. | 2.8 | 5 |
| 114 | Effect of Oxygenâ€Containing Functional Side Chains on the Electronic Properties and Photovoltaic Performances in a Thiophene–Thiazolothiazole Copolymer System. Heteroatom Chemistry, 2014, 25, 556-564. | 0.4 | 6 |
| 115 | Crystalline conjugated polymers for organic electronics. IOP Conference Series: Materials Science and Engineering, 2014, 54, 012016. | 0.3 | 1 |
| 116 | Enhanced Photovoltaic Performance of Amorphous Copolymers Based on Dithienosilole and Dioxocycloalkene-annelated Thiophene. Chemistry of Materials, 2014, 26, 6971-6978. | 3.2 | 32 |
| 117 | π-Building Blocks for Organic Electronics: Revaluation of "Inductive―and "Resonance―Effects of Ï€-Electron Deficient Units. Chemistry of Materials, 2014, 26, 587-593. | 3.2 | 211 |
| 118 | Novel dibenzo[a,e]pentalene-based conjugated polymers. Journal of Materials Chemistry C, 2014, 2, 64-70. | 2.7 | 63 |
| 119 | Onâ€Top Ï€â€&tacking of Quasiplanar Molecules in Holeâ€Transporting Materials: Inducing Anisotropic Carrier Mobility in Amorphous Films. Angewandte Chemie - International Edition, 2014, 53, 5800-5804. | 7.2 | 87 |
| 120 | Thiophene–Thiazolothiazole Copolymers: Significant Impact of Side Chain Composition on Backbone Orientation and Solar Cell Performances. Advanced Materials, 2014, 26, 331-338. | 11.1 | 275 |
| 121 | Quinoidal Naphtho[1,2- <i>b</i> :5,6- <i>b</i> ′]dithiophenes for Solution-Processed n-Channel Organic Field-Effect Transistors. Organic Letters, 2014, 16, 1334-1337. | 2.4 | 43 |
| 122 | Contrasting Effect of Alkylation on the Ordering Structure in Isomeric Naphthodithiophene-Based Polymers. Macromolecules, 2014, 47, 3502-3510. | 2.2 | 36 |
| 123 | Dithiophene-Fused Tetracyanonaphthoquinodimethanes (DT-TNAPs): Synthesis and Characterization of Ĩ€-Extended Quinoidal Compounds for n-Channel Organic Semiconductor. Organic Letters, 2014, 16, 240-243. | 2.4 | 24 |
| 124 | Small band gap polymers incorporating a strong acceptor, thieno[3,2-b]thiophene-2,5-dione, with p-channel and ambipolar charge transport characteristics. Journal of Materials Chemistry C, 2014, 2, 2307-2312. | 2.7 | 27 |
| 125 | Highly Oriented Polymer Semiconductor Films Compressed at the Surface of Ionic Liquids for Highâ€Performance Polymeric Organic Fieldâ€Effect Transistors. Advanced Materials, 2014, 26, 6430-6435. | 11.1 | 69 |
| 126 | All-Polymer Solar Cell with High Near-Infrared Response Based on a Naphthodithiophene Diimide (NDTI) Copolymer. ACS Macro Letters, 2014, 3, 872-875. | 2.3 | 110 |

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| 127 | Organic Semiconductors Based on [1]Benzothieno[3,2- <i>b</i>][1]benzothiophene Substructure. Accounts of Chemical Research, 2014, 47, 1493-1502. | 7.6 | 440 |
| 128 | Naphthodithiophenediimide (NDTI): Synthesis, Structure, and Applications. Journal of the American Chemical Society, 2013, 135, 11445-11448. | 6.6 | 172 |
| 129 | Diphenyl Derivatives of Dinaphtho[2,3- <i>b</i> :2′,3′- <i>f</i>]thieno[3,2- <i>b</i>]thiophene: Organic Semiconductors for Thermally Stable Thin-Film Transistors. ACS Applied Materials & Interfaces, 2013, 5, 2331-2336. | 4.0 | 80 |
| 130 | Consecutive Thiophene-Annulation Approach to π-Extended Thienoacene-Based Organic Semiconductors with [1]Benzothieno[3,2- <i>b</i>][1]benzothiophene (BTBT) Substructure. Journal of the American Chemical Society, 2013, 135, 13900-13913. | 6.6 | 256 |
| 131 | Flexible air-stable three-dimensional polymer field-effect transistors with high output current density. Organic Electronics, 2013, 14, 2908-2915. | 1.4 | 16 |
| 132 | Naphthodithiophenes as building units for small molecules to polymers; a case study for in-depth understanding of structure–property relationships in organic semiconductors. Journal of Materials Chemistry C, 2013, 1, 1297-1304. | 2.7 | 84 |
| 133 | Thienannulation: Efficient Synthesis of ï€â€Extended Thienoacenes Applicable to Organic Semiconductors. European Journal of Organic Chemistry, 2013, 2013, 217-227. | 1.2 | 69 |
| 134 | 5,10-Diborylated naphtho[1,2-c:5,6-câ€2]bis[1,2,5]thiadiazole: a ready-to-use precursor for the synthesis of high-performance semiconducting polymers. Polymer Chemistry, 2013, 4, 5224. | 1.9 | 18 |
| 135 | Naphthodithiophene–Naphthobisthiadiazole Copolymers for Solar Cells: Alkylation Drives the Polymer Backbone Flat and Promotes Efficiency. Journal of the American Chemical Society, 2013, 135, 8834-8837. | 6.6 | 301 |
| 136 | Quinacridone-Diketopyrrolopyrrole-Based Polymers for Organic Field-Effect Transistors. Materials, 2013, 6, 1061-1071. | 1.3 | 11 |
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