

Yanxiang Cheng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6955182/publications.pdf>

Version: 2024-02-01

56
papers

2,312
citations

201575

27
h-index

206029

48
g-index

56
all docs

56
docs citations

56
times ranked

2341
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Phosphonate/Phosphine Oxide Dyad Additive for Efficient Perovskite Light-Emitting Diodes. <i>Angewandte Chemie</i> , 2022, 134, . | 1.6 | 3 |
| 2 | Achieving Record Efficiency and Luminance for TADF Light-Emitting Electrochemical Cells by Dopant Engineering. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17698-17708. | 4.0 | 10 |
| 3 | Backbone-Acceptor/Pendant-Donor Strategy for Efficient Thermally Activated Delayed Fluorescence Conjugated Polymers with External Quantum Efficiency Close to 25% and Emission Peak at 608Ånm. <i>Advanced Optical Materials</i> , 2021, 9, 2001981. | 3.6 | 19 |
| 4 | Polymer Electrochemiluminescence Featuring Thermally Activated Delayed Fluorescence. <i>ChemPhysChem</i> , 2021, 22, 726-732. | 1.0 | 12 |
| 5 | Carbazole ring: A delicate rack for constructing thermally activated delayed fluorescent compounds with through-space charge transfer. <i>Chinese Chemical Letters</i> , 2021, 32, 4011-4014. | 4.8 | 4 |
| 6 | Engineering of Annealing and Surface Passivation toward Efficient and Stable Quasi-2D Perovskite Light-Emitting Diodes. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11645-11651. | 2.1 | 9 |
| 7 | Rigidity and Polymerization Amplified Red Thermally Activated Delayed Fluorescence Polymers for Constructing Red and Single-Emissive-Layer White OLEDs. <i>Advanced Functional Materials</i> , 2020, 30, 2002493. | 7.8 | 51 |
| 8 | Saturated Red Electroluminescence From Thermally Activated Delayed Fluorescence Conjugated Polymers. <i>Frontiers in Chemistry</i> , 2020, 8, 332. | 1.8 | 16 |
| 9 | Rotation-restricted thermally activated delayed fluorescence compounds for efficient solution-processed OLEDs with EQEs of up to 24.3% and small roll-off. <i>Chemical Communications</i> , 2020, 56, 5957-5960. | 2.2 | 51 |
| 10 | Effect of a Pendant Acceptor on Thermally Activated Delayed Fluorescence Properties of Conjugated Polymers with Backbone-Donor/Pendant-Acceptor Architecture. <i>Chemistry - an Asian Journal</i> , 2019, 14, 574-581. | 1.7 | 14 |
| 11 | Managing intramolecular energy transfer in well-defined polyfluorenes grafting one/two orange emissive groups on central or terminal fluorene unit. <i>Polymer</i> , 2019, 168, 36-43. | 1.8 | 0 |
| 12 | Recent Advances in Conjugated TADF Polymer Featuring in Backbone-Donor/Pendant-Acceptor Structure: Material and Device Perspectives. <i>Chemical Record</i> , 2019, 19, 1624-1643. | 2.9 | 34 |
| 13 | Synthesis, characterization and photophysical properties of homoleptic platinum(II) complexes with 2,2-biimidazole-based ligands. <i>Transition Metal Chemistry</i> , 2018, 43, 231-241. | 0.7 | 0 |
| 14 | Thermally Activated Delayed Fluorescence Conjugated Polymers with Backbone-Donor/Pendant-Acceptor Architecture for Nondoped OLEDs with High External Quantum Efficiency and Low Roll-Off. <i>Advanced Functional Materials</i> , 2018, 28, 1706916. | 7.8 | 113 |
| 15 | A Versatile Method to Prepare Protein Nanoclusters for Drug Delivery. <i>Macromolecular Bioscience</i> , 2018, 18, 1700282. | 2.1 | 15 |
| 16 | Highly Efficient TADF Polymer Electroluminescence with Reduced Efficiency Roll-off via Interfacial Exciplex Host Strategy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 47-52. | 4.0 | 48 |
| 17 | Improving Luminescent Performances of Thermally Activated Delayed Fluorescence Conjugated Polymer by Inhibiting the Intra- and Interchain Quenching. <i>Advanced Optical Materials</i> , 2018, 6, 1701320. | 3.6 | 30 |
| 18 | Efficient non-doped yellow OLEDs based on thermally activated delayed fluorescence conjugated polymers with an acridine/carbazole donor backbone and triphenyltriazine acceptor pendant. <i>Journal of Materials Chemistry C</i> , 2018, 6, 568-574. | 2.7 | 61 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Red thermally activated delayed fluorescence polymers containing 9H-thioxanthen-9-one-10,10-dioxide acceptor group as pendant or incorporated in backbone. <i>Organic Electronics</i> , 2018, 59, 406-413. | 1.4 | 24 |
| 20 | Synthesis and electroluminescent performance of thermally activated delayed fluorescence-conjugated polymers with simple formylphenyl as pendant acceptor. <i>Journal of Polymer Science Part A</i> , 2018, 56, 1989-1996. | 2.5 | 7 |
| 21 | Compact Vesicles Self-Assembled from Binary Graft Copolymers with High Hydrophilic Fraction for Potential Drug/Protein Delivery. <i>ACS Macro Letters</i> , 2017, 6, 1186-1190. | 2.3 | 25 |
| 22 | Bright white electroluminescence from a single polymer containing a thermally activated delayed fluorescence unit and a solution-processed orange OLED approaching 20% external quantum efficiency. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10715-10720. | 2.7 | 96 |
| 23 | Power-efficient solution-processed red organic light-emitting diodes based on an exciplex host and a novel phosphorescent iridium complex. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5787-5794. | 2.7 | 84 |
| 24 | Excellent Control of Perylene Diimide End Group in Polyfluorene via Suzuki Catalyst Transfer Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 2726-2735. | 1.1 | 9 |
| 25 | Synthesis and Electroluminescence of a Conjugated Polymer with Thermally Activated Delayed Fluorescence. <i>Macromolecules</i> , 2016, 49, 4373-4377. | 2.2 | 110 |
| 26 | Investigation of Suzuki-Miyaura catalyst-transfer polycondensation of AB-type fluorene monomer using coordination-saturated aryl Pd(II) halide complexes as initiators. <i>Journal of Polymer Science Part A</i> , 2015, 53, 1457-1463. | 2.5 | 16 |
| 27 | Enhancement of luminescence performance from the alteration of stacking patterns of Pt dendrimers. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2744-2750. | 2.7 | 10 |
| 28 | Synthesis and characterization of mono- and dinuclear aryl palladium(II) complexes: oxidative additions of 1,4-dihalogenated benzene or 4,4'-dibromobiphenyl to Pd(PR ₃) ₄ . <i>Journal of Coordination Chemistry</i> , 2014, 67, 482-494. | 0.8 | 6 |
| 29 | Catalysts for Suzuki Polycondensation: Ionic and Quasi-Ionic Amphipathic Palladium Complexes with Self-Phase-Transfer Features. <i>Chemistry - A European Journal</i> , 2012, 18, 13941-13944. | 1.7 | 9 |
| 30 | Synthesis, characterization and photoluminescence of aluminum N-aryloxo functionalized β ² -ketoiminate complexes. <i>Science Bulletin</i> , 2011, 56, 1471-1475. | 1.7 | 6 |
| 31 | Pure blue electroluminescent poly(aryl ether)s with dopant-host systems. <i>Journal of Polymer Science Part A</i> , 2011, 49, 3911-3919. | 2.5 | 12 |
| 32 | Phosphorescent Cuprous Complexes with N,O Ligands – Synthesis, Photoluminescence, and Electroluminescence. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4009-4017. | 1.0 | 41 |
| 33 | High-Performance All-Polymer White-Light-Emitting Diodes Using Polyfluorene Containing Phosphonate Groups as an Efficient Electron-Injection Layer. <i>Advanced Functional Materials</i> , 2010, 20, 2951-2957. | 7.8 | 87 |
| 34 | Pure and Saturated Red Electroluminescent Polyfluorenes with Dopant/Host System and PLED Efficiency/Color Purity Trade-Offs. <i>Advanced Functional Materials</i> , 2010, 20, 3143-3153. | 7.8 | 60 |
| 35 | Synthesis and characterization of polyfluorenes containing bisphenazine units. <i>Journal of Polymer Science Part A</i> , 2010, 48, 1990-1999. | 2.5 | 17 |
| 36 | On the origin of efficient electron injection at phosphonate-functionalized polyfluorene/aluminum interface in efficient polymer light-emitting diodes. <i>Applied Physics Letters</i> , 2010, 97, . | 1.5 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Balanced charge transport and enhanced white electroluminescence from a single white emissive polymer via thermal annealing. <i>Applied Physics Letters</i> , 2010, 96, 073303. | 1.5 | 12 |
| 38 | Highly efficient single-emitting-layer white organic light-emitting diodes with reduced efficiency roll-off. <i>Applied Physics Letters</i> , 2009, 94, . | 1.5 | 72 |
| 39 | A high-performance tandem white organic light-emitting diode combining highly effective white-units and their interconnection layer. <i>Journal of Applied Physics</i> , 2009, 105, 076101. | 1.1 | 50 |
| 40 | Synthesis and characterization of color-stable electroluminescent polymers: Poly(dinaphtho[1,2-a:1'-2',2'-e]indacene)s. <i>Journal of Polymer Science Part A</i> , 2008, 46, 4866-4878. | 2.5 | 15 |
| 41 | White Electroluminescence from a Star-like Polymer with an Orange Emissive Core and Four Blue Emissive Arms. <i>Advanced Materials</i> , 2008, 20, 1357-1362. | 11.1 | 115 |
| 42 | Highly efficient red electroluminescent polymers with dopant/host system and molecular dispersion feature: polyfluorene as the host and 2,1,3-benzothiadiazole derivatives as the red dopant. <i>Journal of Materials Chemistry</i> , 2008, 18, 319-327. | 6.7 | 33 |
| 43 | Blue electroluminescent polymers with dopant-host systems and molecular dispersion features: polyfluorene as the deep blue host and 1,8-naphthalimide derivative units as the light blue dopants. <i>Journal of Materials Chemistry</i> , 2008, 18, 1659. | 6.7 | 33 |
| 44 | Novel White Electroluminescent Single Polymer Derived from Fluorene and Quinacridone. <i>Macromolecules</i> , 2008, 41, 1162-1167. | 2.2 | 52 |
| 45 | Synthesis and characterization of white-light-emitting polyfluorenes containing orange phosphorescent moieties in the side chain. <i>Journal of Polymer Science Part A</i> , 2007, 45, 1746-1757. | 2.5 | 57 |
| 46 | Luminescent supramolecular polymers: Cd ²⁺ -directed polymerization and properties. <i>Polymer International</i> , 2007, 56, 648-654. | 1.6 | 20 |
| 47 | Highly efficient green light emitting polyfluorene incorporated with 4-diphenylamino-1,8-naphthalimide as green dopant. <i>Journal of Materials Chemistry</i> , 2006, 16, 1431. | 6.7 | 69 |
| 48 | Blue light-emitting polymer with polyfluorene as the host and highly fluorescent 4-dimethylamino-1,8-naphthalimide as the dopant in the sidechain. <i>Applied Physics Letters</i> , 2006, 88, 083505. | 1.5 | 46 |
| 49 | Synthesis, Crystal Structure, Spectroscopy and Electroluminescence of Zinc(II) Complexes Containing Bidentate 2-(2-pyridyl)quinoline Derivative Ligands. <i>Transition Metal Chemistry</i> , 2006, 31, 639-644. | 0.7 | 16 |
| 50 | Synthesis, characterization, properties and crystal structure of heterometallic 1D coordination polymers {[CuLZn-CuLZn(H ₂ O)]·H ₂ O} _n . <i>Science in China Series B: Chemistry</i> , 2006, 49, 338-344. | 0.8 | 2 |
| 51 | Novel Polyphenylenes Containing Phenol-Substituted Oxadiazole Moieties as Fluorescent Chemosensors for Fluoride Ion. <i>Macromolecules</i> , 2005, 38, 2148-2153. | 2.2 | 95 |
| 52 | White electroluminescence from polyfluorene chemically doped with 1,8-naphthalimide moieties. <i>Applied Physics Letters</i> , 2004, 85, 2172-2174. | 1.5 | 140 |
| 53 | Synthesis, crystal structure, magnetic and spectroscopic properties of {[Cu(oxbe)(py)] ₂ Ni(py) ₂ }·2Dmf complex of dissymmetrical oxamidate. <i>Journal of Coordination Chemistry</i> , 2004, 57, 947-953. | 0.8 | 5 |
| 54 | Novel hole-transporting materials based on 1,4-bis(carbazolyl)benzene for organic light-emitting devices. <i>Journal of Materials Chemistry</i> , 2004, 14, 895. | 6.7 | 156 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Oxadiazole-Functionalized Europium(III) β^2 -Diketonate Complex for Efficient Red Electroluminescence. Chemistry of Materials, 2003, 15, 1935-1937. | 3.2 | 162 |
| 56 | Synthesis, characterization, photoluminescent and electroluminescent properties of new conjugated 2,2'- β^2 -(arylenevinylene)bis-8-substituted quinolines. Journal of Materials Chemistry, 2003, 13, 1392-1399. | 6.7 | 31 |