

Benjamin Nketia-Yawson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4083407/publications.pdf>

Version: 2024-02-01

23
papers

702
citations

840776

11
h-index

642732

23
g-index

25
all docs

25
docs citations

25
times ranked

1139
citing authors

#	ARTICLE	IF	CITATIONS
1	Structurally-tuned benzo[1,2-b:4,5-b']dithiophene-based polymer as a dopant-free hole transport material for perovskite solar cells. <i>Journal of Polymer Science</i> , 2022, 60, 985-991.	3.8	9
2	Understanding Effects of Ion Diffusion on Charge Carrier Mobility of Electrolyte-Gated Organic Transistor Using Ionic Liquid-Embedded Poly(3-hexylthiophene). <i>Advanced Functional Materials</i> , 2022, 32, 2108215.	14.9	8
3	Stable electrolyte dielectric engineered bottom-gate poly(3-hexylthiophene) transistors with enhanced mobility. <i>Organic Electronics</i> , 2022, 102, 106430.	2.6	2
4	Influence of Gate Voltage Operation on Effective Mobility of Electrolyte-Gated Organic Transistors. <i>Macromolecular Research</i> , 2022, 30, 707-711.	2.4	2
5	Random copolymerization of polythiophene for simultaneous enhancement of in-plane and out-of-plane charge transport for organic transistors and perovskite solar cells. <i>International Journal of Energy Research</i> , 2021, 45, 7998-8007.	4.5	5
6	High-mobility amorphous PTB7 organic transistors enabled by high-capacitance electrolyte dielectric. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	3
7	Solid-State Electrolyte Dielectrics Based on Exceptional High- k P(VDF-TrFE-CTFE) Terpolymer for High-Performance Field-Effect Transistors. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000842.	3.7	10
8	High-capacitance polyurethane ionogels for low-voltage operated organic transistors and pressure sensors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 17107-17113.	5.5	23
9	Improved Electron Transport in Ambipolar Organic Field-Effect Transistors with PMMA/Polyurethane Blend Dielectrics. <i>Macromolecular Research</i> , 2020, 28, 1248-1252.	2.4	6
10	Configurational Random Polythiophene for Improved Polymer Ordering and Charge-Transporting Ability. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40599-40606.	8.0	16
11	Exploring low- k dielectrics as structuring polymers for solid-state electrolyte-gated transistors. <i>Organic Electronics</i> , 2019, 75, 105434.	2.6	3
12	Polymer Electrolyte Blend Gate Dielectrics for High-Performance Ultrathin Organic Transistors: Toward Favorable Polymer Blend Miscibility and Reliability. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17610-17616.	8.0	26
13	Effect of vacuum metalized gate electrode in top-gate solid-state electrolyte-gated organic transistors. <i>Organic Electronics</i> , 2018, 55, 63-68.	2.6	6
14	Organic field-effect transistors processed by an environmentally friendly non-halogenated solvent blend. <i>Journal of Materials Chemistry C</i> , 2018, 6, 661-667.	5.5	29
15	Low-voltage operated solid-state electrolyte-gated ambipolar organic field-effect transistors. <i>Organic Electronics</i> , 2018, 52, 257-263.	2.6	10
16	Recent Progress on High-Capacitance Polymer Gate Dielectrics for Flexible Low-Voltage Transistors. <i>Advanced Functional Materials</i> , 2018, 28, 1802201.	14.9	139
17	Difluorobenzothiadiazole and Selenophene-Based Conjugated Polymer Demonstrating an Effective Hole Mobility Exceeding $5 \text{ cm}^2 \text{ V}^{-1} \text{ s}^{-1}$ with Solid-State Electrolyte Dielectric. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32492-32500.	8.0	22
18	Ultrahigh Mobility in Solution-Processed Solid-State Electrolyte-Gated Transistors. <i>Advanced Materials</i> , 2017, 29, 1605685.	21.0	95

#	ARTICLE	IF	CITATIONS
19	Fluorinated benzothiadiazole and indacenodithieno[3,2-b]thiophene based regioregular-conjugated copolymers for ambipolar organic field-effect transistors and inverters. RSC Advances, 2017, 7, 1110-1117.	3.6	17
20	Conjugated Side Chain Tuning Effect of Indacenodithieno[3,2-b]thiophene and Fluoro-Benzothiadiazole-Based Regioregular Copolymers for High-Performance Organic Field-Effect Transistors. Macromolecular Chemistry and Physics, 2017, 218, 1700225.	2.2	11
21	Organic thin film transistor with conjugated polymers for highly sensitive gas sensors. Macromolecular Research, 2017, 25, 489-495.	2.4	46
22	A Highly Planar Fluorinated Benzothiadiazole-Based Conjugated Polymer for High-Performance Organic Thin-Film Transistors. Advanced Materials, 2015, 27, 3045-3052.	21.0	159
23	A Timely Synthetic Tailoring of Biaxially Extended Thienylenevinylene-Like Polymers for Systematic Investigation on Field-Effect Transistors. Advanced Functional Materials, 2015, 25, 586-596.	14.9	54