Rawad K Hallani

List of Publications by Year
in descending order

26	1,529	516561 16	580701 25
papers	citations	h-index	g-index

26	26	26	2407
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lactone Backbone Density in Rigid Electronâ€Deficient Semiconducting Polymers Enabling High nâ€type Organic Thermoelectric Performance. Angewandte Chemie, 2022, 134, .	1.6	8
2	Lactone Backbone Density in Rigid Electronâ€Deficient Semiconducting Polymers Enabling High nâ€type Organic Thermoelectric Performance. Angewandte Chemie - International Edition, 2022, 61, .	7.2	26
3	Regiochemistry-Driven Organic Electrochemical Transistor Performance Enhancement in Ethylene Glycol-Functionalized Polythiophenes. Journal of the American Chemical Society, 2021, 143, 11007-11018.	6.6	74
4	The role of orientation in the MEL response of OLEDs. Journal of Materials Chemistry C, 2021, 9, 10052-10064.	2.7	10
5	The Effect of Alkyl Spacers on the Mixed Ionicâ€Electronic Conduction Properties of Nâ€Type Polymers. Advanced Functional Materials, 2021, 31, 2008718.	7.8	67
6	Low-Temperature Cross-Linking Benzocyclobutene Based Polymer Dielectric for Organic Thin Film Transistors on Plastic Substrates. Journal of Organic Chemistry, 2020, 85, 277-283.	1.7	17
7	The effect of aromatic ring size in electron deficient semiconducting polymers for n-type organic thermoelectrics. Journal of Materials Chemistry C, 2020, 8, 15150-15157.	2.7	28
8	Ethylene Glycol-Based Side Chain Length Engineering in Polythiophenes and its Impact on Organic Electrochemical Transistor Performance. Chemistry of Materials, 2020, 32, 6618-6628.	3.2	92
9	A Multilayered Electron Extracting System for Efficient Perovskite Solar Cells. Advanced Functional Materials, 2020, 30, 2004273.	7.8	17
10	Self-Assembled Monolayer Enables Hole Transport Layer-Free Organic Solar Cells with 18% Efficiency and Improved Operational Stability. ACS Energy Letters, 2020, 5, 2935-2944.	8.8	425
11	Balancing Ionic and Electronic Conduction for Highâ€Performance Organic Electrochemical Transistors. Advanced Functional Materials, 2020, 30, 1907657.	7.8	131
12	Enhancing the Charge Extraction and Stability of Perovskite Solar Cells Using Strontium Titanate (SrTiO₃) Electron Transport Layer. ACS Applied Energy Materials, 2019, 2, 8090-8097.	2.5	51
13	Alternative Thieno[3,2â€b][1]benzothiophene Isoindigo Polymers for Solar Cell Applications. Macromolecular Rapid Communications, 2018, 39, e1700820.	2.0	9
14	A new cross-linkable 9,10-diphenylanthracene derivative as a wide bandgap host for solution-processed organic light-emitting diodes. Journal of Materials Chemistry C, 2018, 6, 12948-12954.	2.7	20
15	Organic Electronics: The Influence of Isomer Purity on Trap States and Performance of Organic Thinâ€Film Transistors (Adv. Electron. Mater. 1/2017). Advanced Electronic Materials, 2017, 3, .	2.6	0
16	The Influence of Isomer Purity on Trap States and Performance of Organic Thinâ€Film Transistors. Advanced Electronic Materials, 2017, 3, 1600294.	2.6	37
17	Growth, Structure, and Anisotropic Optical Properties of Difluoro-anthradithiophene Thin Films. Journal of Physical Chemistry C, 2017, 121, 21011-21017.	1.5	11
18	Crossover from band-like to thermally activated charge transport in organic transistors due to strain-induced traps. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6739-E6748.	3.3	77

#	Article	IF	Citations
19	The entangled triplet pair state in acene and heteroacene materials. Nature Communications, 2017, 8, 15953.	5.8	171
20	Photophysical characterization and time-resolved spectroscopy of a anthradithiophene dimer: exploring the role of conformation in singlet fission. Physical Chemistry Chemical Physics, 2017, 19, 23162-23175.	1.3	31
21	Structural and Electronic Properties of Crystalline, Isomerically Pure Anthradithiophene Derivatives. Advanced Functional Materials, 2016, 26, 2341-2348.	7.8	44
22	The effect of regioisomerism on the crystal packing and device performance of desymmetrized anthradithiophenes. Journal of Materials Chemistry C, 2015, 3, 8956-8962.	2.7	8
23	Single-molecule imaging of organic semiconductors: Toward nanoscale insights into photophysics and molecular packing. Chemical Physics Letters, 2015, 629, 29-35.	1.2	17
24	Design of organic ternary blends and small-molecule bulk heterojunctions: photophysical considerations. Journal of Photonics for Energy, 2015, 5, 057208.	0.8	8
25	Synthesis and Properties of Isomerically Pure Anthrabisbenzothiophenes. Organic Letters, 2012, 14, 62-65.	2.4	29
26	A survey of electron-deficient pentacenes as acceptors in polymer bulk heterojunction solar cells. Chemical Science, 2011, 2, 363-368.	3.7	121