

Cleber Fn Marchiori

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7361274/publications.pdf>

Version: 2024-02-01

43
papers

888
citations

516710

16
h-index

477307

29
g-index

43
all docs

43
docs citations

43
times ranked

1189
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the Electrochemical Stability Window of Polymer Electrolytes in Solid-State Batteries from Atomic-Scale Modeling: The Role of Li-Ion Salts. <i>Chemistry of Materials</i> , 2020, 32, 7237-7246.	6.7	101
2	Dipole assisted exciton dissociation at conjugated polymer/fullerene photovoltaic interfaces: A molecular study using density functional theory calculations. <i>Synthetic Metals</i> , 2010, 160, 643-650.	3.9	98
3	Conjugation Enables Ultra-High Rate Capabilities and Cycling Stabilities in Phenothiazine Copolymers as Cathode-Active Battery Materials. <i>Advanced Functional Materials</i> , 2019, 29, 1906436.	14.9	88
4	Assessing structure and stability of polymer/lithium-metal interfaces from first-principles calculations. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8394-8404.	10.3	77
5	On the Design of Donor-Acceptor Conjugated Polymers for Photocatalytic Hydrogen Evolution Reaction: First-Principles Theory-Based Assessment. <i>Journal of Physical Chemistry C</i> , 2018, 122, 26876-26888.	3.1	41
6	Electronic structure, molecular orientation, charge transfer dynamics and solar cells performance in donor/acceptor copolymers and fullerene: Experimental and theoretical approaches. <i>Journal of Applied Physics</i> , 2014, 115, 134901.	2.5	36
7	The role of the double peaked absorption spectrum in the efficiency of solar cells based on donor-acceptor-donor copolymers. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 2287-2294.	6.2	33
8	Charge Transfer Dynamics and Molecular Orientation Probed by Core Electron Spectroscopies on thermal-annealed Polysilafluorene Derivative: Experimental and Theoretical Approaches. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23863-23873.	3.1	30
9	Density functional theory study of the dipole across the P3HT-PCBM complex: the role of polarization and charge transfer. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 215104.	2.8	29
10	Molecular origin of efficient hole transfer from non-fullerene acceptors: insights from first-principles calculations. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12180-12193.	5.5	28
11	Comparing C60 and C70 as acceptor in organic solar cells: Influence of the electronic structure and aggregation size on the photovoltaic characteristics. <i>Thin Solid Films</i> , 2020, 697, 137827.	1.8	28
12	Small Organic Molecule Based on Benzothiadiazole for Electrocatalytic Hydrogen Production. <i>Journal of the American Chemical Society</i> , 2021, 143, 21229-21233.	13.7	25
13	Thermoplastic polyurethane - Ti3C2(Tx) MXene nanocomposite: The influence of functional groups upon the matrix-reinforcement interaction. <i>Applied Surface Science</i> , 2020, 528, 146526.	6.1	24
14	Hole mobility effect in the efficiency of bilayer heterojunction polymer/C60 photovoltaic cells. <i>Applied Physics Letters</i> , 2011, 98, 253501.	3.3	23
15	On the energy gap determination of organic optoelectronic materials: the case of porphyrin derivatives. <i>Materials Advances</i> , 2022, 3, 1791-1803.	5.4	21
16	Conformational Change on a Bithiophene-Based Copolymer Induced by Additive Treatment: Application in Organic Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2017, 121, 16035-16044.	3.1	18
17	Tailoring the Electron-Rich Moiety in Benzothiadiazole-Based Polymers for an Efficient Photocatalytic Hydrogen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25531-25542.	3.1	16
18	Performance of fluorene and terthiophene copolymer in bilayer photovoltaic devices: The role of the polymer conformations. <i>Organic Electronics</i> , 2012, 13, 2716-2726.	2.6	15

#	ARTICLE	IF	CITATIONS
19	High hole-mobility of rrP3HT in organic field-effect transistors using low-polarity polyurethane gate dielectric. <i>Organic Electronics</i> , 2018, 58, 33-37.	2.6	15
20	Tuning the Electrochemical Properties of Organic Battery Cathode Materials: Insights from Evolutionary Algorithm DFT Calculations. <i>ChemSusChem</i> , 2020, 13, 2402-2409.	6.8	15
21	Annealing effect on donor-acceptor interface and its impact on the performance of organic photovoltaic devices based on PSiF-DBT copolymer and C60. <i>Applied Physics Letters</i> , 2015, 106, 133301.	3.3	12
22	Light-Emitting Porphyrin Derivative Obtained from a Subproduct of the Cashew Nut Shell Liquid: A Promising Material for OLED Applications. <i>Materials</i> , 2019, 12, 1063.	2.9	12
23	Electronic and structural properties in thermally annealed PSiF-DBT:PC71BM blends for organic photovoltaics. <i>Thin Solid Films</i> , 2016, 615, 165-170.	1.8	11
24	Nonradiative Energy Transfer between Porphyrin and Copolymer in Films Processed by Organic Solvent and Water-Dispersible Nanoparticles with Photovoltaic Applications. <i>Journal of Physical Chemistry C</i> , 2018, 122, 5796-5804.	3.1	10
25	Predicting Structure and Electrochemistry of Dilithium Thiophene-2,5-Dicarboxylate Electrodes by Density Functional Theory and Evolutionary Algorithms. <i>Journal of Physical Chemistry C</i> , 2019, 123, 4691-4700.	3.1	10
26	Symmetric Small-Molecules with Acceptor-Donor-Acceptor Architecture for Efficient Visible-Light Driven Hydrogen Production: Optical and Thermodynamic Aspects. <i>Journal of Physical Chemistry C</i> , 2019, 123, 30799-30808.	3.1	10
27	Insights into the Li-Metal/Organic Carbonate Interfacial Chemistry by Combined First-Principles Theory and X-ray Photoelectron Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 347-355.	3.1	10
28	Additive Driven Increase in Donor-Acceptor Copolymer Coupling Studied by X-ray Resonant Photoemission. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25187-25194.	3.1	9
29	Assessing the Donor-Acceptor Nature and the Electrochemical Stability of a Fluorene-Diketopyrrolopyrrole-Thiophene-Based Copolymer. <i>ACS Applied Polymer Materials</i> , 2021, 3, 4223-4233.	4.4	8
30	Structure-property relationships in organic battery anode materials: exploring redox reactions in crystalline Na- and Li-benzene diacrylate using combined crystallography and density functional theory calculations. <i>Materials Advances</i> , 2021, 2, 1024-1034.	5.4	7
31	Thermally induced anchoring of fullerene in copolymers with Si-bridging atom: Spectroscopic evidences. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 171, 376-382.	3.9	6
32	Electronic and structural properties of fluorene-thiophene copolymers as function of the composition ratio between the moieties: a theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 20447-20458.	2.8	6
33	Exploring metastable phases during lithiation of organic battery electrode materials. <i>ChemSusChem</i> , 2022, , .	6.8	4
34	Tuning the photocatalytic properties of porphyrins for hydrogen evolution reaction: An in-silico design strategy. <i>Journal of Power Sources Advances</i> , 2022, 15, 100090.	5.1	4
35	Hybrid vertical transistor based on controlled lateral channel overflow. <i>Journal of Applied Physics</i> , 2012, 112, 074509.	2.5	3
36	Effect of the Temperature of Annealing on the Performance of Fluorene and Bithiophene Copolymer in Bilayer Solar Cells. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1390, 100.	0.1	2

#	ARTICLE	IF	CITATIONS
37	Understanding the effect of solvent additive in polymeric thin film: turning a bilayer into a bulk heterojunction-like photovoltaic device. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 365101.	2.8	2
38	Femtosecond Electron Delocalization in Polymer:Fullerene Blend Films. <i>Journal of Physics: Conference Series</i> , 2015, 635, 122003.	0.4	1
39	A new CBD-CC-E spectral similarity scale for optimizing computer-simulated UV-vis spectra. <i>Computational and Theoretical Chemistry</i> , 2021, 1197, 113116.	2.5	0
40	Photo-oxidation of a non-fullerene acceptor polymer. , 0, , .		0
41	Fundamentals of charge transfer processes in non-fullerene-based photovoltaics: Insights from atomic scale modelling. , 0, , .		0
42	Donor-acceptor polymer complex formation in solution behind highly efficient all-polymer solar cells ?. , 0, , .		0
43	Thermodynamics aspects of charge transfer processes in organic photovoltaics materials: Insights from atomic scale modelling. , 0, , .		0