

Girish Lakhwani

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7693691/publications.pdf>

Version: 2024-02-01

40
papers

1,496
citations

430874

18
h-index

315739

38
g-index

40
all docs

40
docs citations

40
times ranked

2354
citing authors

#	ARTICLE	IF	CITATIONS
1	Chiral-perovskite optoelectronics. <i>Nature Reviews Materials</i> , 2020, 5, 423-439.	48.7	445
2	Bimolecular Recombination in Organic Photovoltaics. <i>Annual Review of Physical Chemistry</i> , 2014, 65, 557-581.	10.8	218
3	Polymer Photovoltaic Cells Sensitive to the Circular Polarization of Light. <i>Advanced Materials</i> , 2010, 22, E131-4.	21.0	76
4	Free charge photogeneration in a single component high photovoltaic efficiency organic semiconductor. <i>Nature Communications</i> , 2022, 13, .	12.8	66
5	Theoretical Prediction of Chiral 3D Hybrid Organic-Inorganic Perovskites. <i>Advanced Materials</i> , 2019, 31, e1807628.	21.0	64
6	Probing Charge Carrier Density in a Layer of Photodoped ZnO Nanoparticles by Spectroscopic Ellipsometry. <i>Journal of Physical Chemistry C</i> , 2010, 114, 14804-14810.	3.1	57
7	Voltage-dependent photocurrent transients of PTB7:PC70BM solar cells: Experiment and numerical simulation. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	52
8	Electronic Energy Transfer in Highly Aligned MEH-PPV Single Chains. <i>Journal of Physical Chemistry B</i> , 2011, 115, 9941-9947.	2.6	42
9	Circular Differential Scattering of Light in Films of Chiral Polyfluorene. <i>Journal of Physical Chemistry B</i> , 2007, 111, 5124-5131.	2.6	39
10	Interface limited charge extraction and recombination in organic photovoltaics. <i>Energy and Environmental Science</i> , 2014, 7, 2227.	30.8	33
11	Circular Selective Reflection of Light Proving Cholesteric Ordering in Thin Layers of Chiral Fluorene Polymers. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1497-1501.	4.6	28
12	Insights from Chiral Polyfluorene on the Unification of Molecular Exciton and Cholesteric Liquid Crystal Theories for Chiroptical Phenomena. <i>Journal of Physical Chemistry A</i> , 2012, 116, 1121-1128.	2.5	28
13	Conformational Effect on Energy Transfer in Single Polythiophene Chains. <i>Journal of Physical Chemistry B</i> , 2012, 116, 9866-9872.	2.6	27
14	The chiroptical properties of chiral substituted poly[3-((3S)-3,7-dimethyloctyl)thiophene] as a function of film thickness. <i>Chemical Physics Letters</i> , 2007, 437, 193-197.	2.6	24
15	Probing the switching mechanism in ZnO nanoparticle memristors. <i>Journal of Applied Physics</i> , 2014, 116, 114501.	2.5	23
16	Intensive Chiroptical Properties of Chiral Polyfluorenes Associated with Fibril Formation. <i>Journal of Physical Chemistry B</i> , 2009, 113, 14047-14051.	2.6	21
17	$\hat{\rho}^2$ Phase in Chiral Polyfluorene Forms via a Precursor. <i>Macromolecules</i> , 2009, 42, 4220-4223.	4.8	20
18	Observation of oxygen vacancy migration in memory devices based on ZnO nanoparticles. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	20

#	ARTICLE	IF	CITATIONS
19	Molecularly isolated perylene diimides enable both strong exciton-photon coupling and high photoluminescence quantum yield. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2954-2960.	5.5	19
20	Fine Structure and Spin Dynamics of Linearly Polarized Indirect Excitons in Two-Dimensional CdSe/CdTe Colloidal Heterostructures. <i>ACS Nano</i> , 2019, 13, 10140-10153.	14.6	18
21	Near-field circular polarization probed by chiral polyfluorene. <i>Optics Letters</i> , 2009, 34, 3571.	3.3	17
22	Solution-Processed Faraday Rotators Using Single Crystal Lead Halide Perovskites. <i>Advanced Science</i> , 2020, 7, 1902950.	11.2	17
23	Circular Intensity Differential Scattering Reveals the Internal Structure of Polymer Fibrils. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7547-7553.	4.6	14
24	Emission State Structure and Linewidth Broadening Mechanisms in Type-II CdSe/CdTe Core-Crown Nanoplatelets: A Combined Theoretical-Single Nanocrystal Optical Study. <i>Journal of Physical Chemistry C</i> , 2020, 124, 17352-17363.	3.1	13
25	FRET-enhanced photoluminescence of perylene diimides by combining molecular aggregation and insulation. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8953-8961.	5.5	12
26	Anisotropic Dielectric Tensor for Chiral Polyfluorene at Optical Frequencies. <i>Journal of Physical Chemistry B</i> , 2009, 113, 14165-14171.	2.6	11
27	Reflection of light by anisotropic molecular crystals including exciton-polaritons and spatial dispersion. <i>Journal of Chemical Physics</i> , 2016, 145, 194703.	3.0	11
28	Organic polariton lasing with molecularly isolated perylene diimides. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	11
29	In Situ Optical Measurement of Charge Transport Dynamics in Organic Photovoltaics. <i>Nano Letters</i> , 2015, 15, 931-935.	9.1	8
30	Mixed side-chain geometries for aggregation control of poly(fluorene-alt-bithiophene) and their effects on photophysics and charge transport. <i>Synthetic Metals</i> , 2016, 220, 162-173.	3.9	8
31	The Role of Fiber Agglomeration in Formation of Perylene-Based Fiber Networks. <i>Cell Reports Physical Science</i> , 2020, 1, 100148.	5.6	8
32	Magnetic optical rotary dispersion and magnetic circular dichroism in methylammonium lead halide perovskites. <i>Chirality</i> , 2021, 33, 610-617.	2.6	8
33	Large Photoinduced Circular Dichroism in Chiral Polyfluorene. <i>Journal of Physical Chemistry A</i> , 2009, 113, 10891-10894.	2.5	7
34	Emission Decay Pathways Sensitive to Circular Polarization of Excitation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23910-23916.	3.1	7
35	Pentacene-Bridge Interactions in an Axially Chiral Binaphthyl Pentacene Dimer. <i>Journal of Physical Chemistry A</i> , 2021, 125, 7226-7234.	2.5	7
36	Solution Epitaxy of Halide Perovskite Thin Single Crystals for Stable Transistors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 37840-37848.	8.0	6

#	ARTICLE	IF	CITATIONS
37	Strong coupling and energy funnelling in an electrically conductive organic blend. Journal of Materials Chemistry C, 2020, 8, 11485-11491.	5.5	5
38	Fluorescence Enhancement through Confined Oligomerization in Nanochannels: An Anthryl Oligomer in a Metal-Organic Framework. , 2021, 3, 1599-1604.		4
39	Achromatic polarization control in the visible. Nature Photonics, 2021, 15, 797-799.	31.4	1
40	Improved optical confinement in ambipolar field-effect transistors toward electrical injection organic lasers. Applied Physics Letters, 2021, 119, 163303.	3.3	1