

Raghunath R Dasari

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,272
citations

516710

16
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713466

21
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docs citations

21
times ranked

2515
citing authors

#	ARTICLE	IF	CITATIONS
1	Short and long-range electron transfer compete to determine free-charge yield in organic semiconductors. <i>Materials Horizons</i> , 2022, 9, 312-324.	12.2	4
2	A Semiconducting Two-Dimensional Polymer as an Organic Electrochemical Transistor Active Layer. <i>Advanced Materials</i> , 2022, 34, e2110703.	21.0	19
3	Benzocyclobutene polymer as an additive for a benzocyclobutene-fullerene: application in stable p-n perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9347-9353.	10.3	6
4	Rapid Synthesis of High Surface Area Imine-Linked 2D Covalent Organic Frameworks by Avoiding Pore Collapse During Isolation. <i>Advanced Materials</i> , 2020, 32, e1905776.	21.0	125
5	Electronically Coupled 2D Polymer/MoS ₂ Heterostructures. <i>Journal of the American Chemical Society</i> , 2020, 142, 21131-21139.	13.7	25
6	Charge-Transport Properties of F ₆ TNAP-Based Charge-Transfer Cocrystals. <i>Advanced Functional Materials</i> , 2019, 29, 1904858.	14.9	36
7	Charge Recombination Dynamics in Organic Photovoltaic Systems with Enhanced Dielectric Constant. <i>Advanced Functional Materials</i> , 2019, 29, 1901269.	14.9	32
8	Design and synthesis of two-dimensional covalent organic frameworks with four-arm cores: prediction of remarkable ambipolar charge-transport properties. <i>Materials Horizons</i> , 2019, 6, 1868-1876.	12.2	62
9	Conductive, Solution-Processed Dioxythiophene Copolymers for Thermoelectric and Transparent Electrode Applications. <i>Advanced Energy Materials</i> , 2019, 9, 1900395.	19.5	43
10	Rapid, Low Temperature Formation of Imine-Linked Covalent Organic Frameworks Catalyzed by Metal Triflates. <i>Journal of the American Chemical Society</i> , 2017, 139, 4999-5002.	13.7	276
11	Solution-Processed Doping of Trilayer WSe ₂ with Redox-Active Molecules. <i>Chemistry of Materials</i> , 2017, 29, 7296-7304.	6.7	25
12	Ultra-low p-doping of poly(3-hexylthiophene) and its impact on polymer aggregation and photovoltaic performance. <i>Organic Photonics and Photovoltaics</i> , 2016, 4, .	1.3	3
13	Cross-Linkable Fullerene Derivatives for Solution-Processed n-p Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2016, 1, 648-653.	17.4	67
14	Thermo-cross-linkable fullerene for long-term stability of photovoltaic devices. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21856-21863.	10.3	30
15	Tetracyano isoindigo small molecules and their use in n-channel organic field-effect transistors. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 19345-19350.	2.8	17
16	Optimization of the Double Pump-Probe Technique: Decoupling the Triplet Yield and Cross Section. <i>Journal of Physical Chemistry A</i> , 2012, 116, 4833-4841.	2.5	12
17	Stable Solution-Processed Molecular n-Channel Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2012, 24, 4445-4450.	21.0	67
18	Synthesis and linear and nonlinear absorption properties of dendronised ruthenium(ii) phthalocyanine and naphthalocyanine. <i>Chemical Communications</i> , 2011, 47, 4547.	4.1	29

#	ARTICLE	IF	CITATIONS
19	High-Strain Shape-Memory Polymers. <i>Advanced Functional Materials</i> , 2010, 20, 162-171.	14.9	214
20	Dithienopyrrole-based donor-acceptor copolymers: low band-gap materials for charge transport, photovoltaics and electrochromism. <i>Journal of Materials Chemistry</i> , 2010, 20, 123-134.	6.7	154
21	Dendrimer Analogues of Linear Molecules to Evaluate Energy and Charge-Transfer Properties. <i>Organic Letters</i> , 2006, 8, 2981-2984.	4.6	26