Raghunath R Dasari

List of Publications by Year
in descending order

21 papers	1,272 citations	516710 16 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	2515 citing authors

#	Article	IF	Citations
1	Rapid, Low Temperature Formation of Imine-Linked Covalent Organic Frameworks Catalyzed by Metal Triflates. Journal of the American Chemical Society, 2017, 139, 4999-5002.	13.7	276
2	Highâ€Strain Shapeâ€Memory Polymers. Advanced Functional Materials, 2010, 20, 162-171.	14.9	214
3	Dithienopyrrole-based donorâ€“acceptor copolymers: low band-gap materials for charge transport, photovoltaics and electrochromism. Journal of Materials Chemistry, 2010, 20, 123-134.	6.7	154
4	Rapid Synthesis of High Surface Area Imineâ€Linked 2D Covalent Organic Frameworks by Avoiding Pore Collapse During Isolation. Advanced Materials, 2020, 32, e1905776.	21.0	125
5	Stable Solutionâ€Processed Molecular nâ€Channel Organic Fieldâ€Effect Transistors. Advanced Materials, 2012, 24, 4445-4450.	21.0	67
6	Cross-Linkable Fullerene Derivatives for Solution-Processed nâ€“iâ€“p Perovskite Solar Cells. ACS Energy Letters, 2016, 1, 648-653.	17.4	67
7	Design and synthesis of two-dimensional covalent organic frameworks with four-arm cores: prediction of remarkable ambipolar charge-transport properties. Materials Horizons, 2019, 6, 1868-1876.	12.2	62
8	Conductive, Solutionâ€Processed Dioxythiophene Copolymers for Thermoelectric and Transparent Electrode Applications. Advanced Energy Materials, 2019, 9, 1900395.	19.5	43
9	Chargeâ€Transport Properties of F₆TNAPâ€Based Chargeâ€Transfer Cocrystals. Advanced Functional Materials, 2019, 29, 1904858.	14.9	36
10	Charge Recombination Dynamics in Organic Photovoltaic Systems with Enhanced Dielectric Constant. Advanced Functional Materials, 2019, 29, 1901269.	14.9	32
11	Thermo-cross-linkable fullerene for long-term stability of photovoltaic devices. Journal of Materials Chemistry A, 2015, 3, 21856-21863.	10.3	30
12	Synthesis and linear and nonlinear absorption properties of dendronised ruthenium(ii) phthalocyanine and naphthalocyanine. Chemical Communications, 2011, 47, 4547.	4.1	29
13	Dendrimer Analogues of Linear Molecules to Evaluate Energy and Charge-Transfer Properties. Organic Letters, 2006, 8, 2981-2984.	4.6	26
14	Solution-Processed Doping of Trilayer WSe₂ with Redox-Active Molecules. Chemistry of Materials, 2017, 29, 7296-7304.	6.7	25
15	Electronically Coupled 2D Polymer/MoS₂ Heterostructures. Journal of the American Chemical Society, 2020, 142, 21131-21139.	13.7	25
16	A Semiconducting Twoâ€Dimensional Polymer as an Organic Electrochemical Transistor Active Layer. Advanced Materials, 2022, 34, e2110703.	21.0	19
17	Tetracyano isoindigo small molecules and their use in n-channel organic field-effect transistors. Physical Chemistry Chemical Physics, 2014, 16, 19345-19350.	2.8	17
18	Optimization of the Double Pumpâ€“Probe Technique: Decoupling the Triplet Yield and Cross Section. Journal of Physical Chemistry A, 2012, 116, 4833-4841.	2.5	12

#	Article	IF	Citations
19	Benzocyclobutene polymer as an additive for a benzocyclobutene-fullerene: application in stable pâ€“iâ€“n perovskite solar cells. Journal of Materials Chemistry A, 2021, 9, 9347-9353.	10.3	6
20	Short and long-range electron transfer compete to determine free-charge yield in organic semiconductors. Materials Horizons, 2022, 9, 312-324.	12.2	4
21	Ultra-low p-doping of poly(3-hexylthiophene) and its impact on polymer aggregation and photovoltaic performance. Organic Photonics and Photovoltaics, 2016, 4, .	1.3	3