

Sukrit Mukhopadhyay

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11994425/publications.pdf>

Version: 2024-02-01

18
papers

906
citations

516710

16
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

1537
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of Organic Chromophores for All-Optical Signal Processing Applications. <i>Chemistry of Materials</i> , 2014, 26, 549-560.	6.7	123
2	25th Anniversary Article: Design of Polymethine Dyes for All-Optical Switching Applications: Guidance from Theoretical and Computational Studies. <i>Advanced Materials</i> , 2014, 26, 68-84.	21.0	97
3	Closely Stacked Oligo(phenylene ethynylene)s: Effect of π -Stacking on the Electronic Properties of Conjugated Chromophores. <i>Journal of the American Chemical Society</i> , 2012, 134, 7176-7185.	13.7	96
4	Impact of Electronic Coupling, Symmetry, and Planarization on One- and Two-Photon Properties of Triarylamines with One, Two, or Three Diarylboron Acceptors. <i>Journal of Physical Chemistry A</i> , 2012, 116, 3781-3793.	2.5	88
5	Polymethine dyes for all-optical switching applications: a quantum-chemical characterization of counter-ion and aggregation effects on the third-order nonlinear optical response. <i>Chemical Science</i> , 2012, 3, 3103.	7.4	75
6	Novel Strategy for Photopatterning Emissive Polymer Brushes for Organic Light Emitting Diode Applications. <i>ACS Central Science</i> , 2017, 3, 654-661.	11.3	61
7	Boron-based TADF emitters with improved OLED device efficiency roll-off and long lifetime. <i>Dyes and Pigments</i> , 2017, 141, 83-92.	3.7	56
8	Supramolecular Assembly of Complementary Cyanine Salt J-Aggregates. <i>Journal of the American Chemical Society</i> , 2015, 137, 11920-11923.	13.7	53
9	Tuning Thermally Activated Delayed Fluorescence Emitter Photophysics through Solvation in the Solid State. <i>ACS Energy Letters</i> , 2017, 2, 1526-1533.	17.4	49
10	π -Stacked Oligo(phenylene vinylene)s Based on Pseudo-Cgeminal Substituted [2.2]Paracyclophanes: Impact of Interchain Geometry and Interactions on the Electronic Properties. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11629-11632.	13.8	44
11	Impact of the Nature of the Excited-State Transition Dipole Moments on the Third-Order Nonlinear Optical Response of Polymethine Dyes for All-Optical Switching Applications. <i>ACS Photonics</i> , 2014, 1, 261-269.	6.6	35
12	Highly Photoluminescent Nonconjugated Polymers for Single-Layer Light Emitting Diodes. <i>ACS Photonics</i> , 2017, 4, 631-641.	6.6	25
13	Virtual Screening of Hole Transport, Electron Transport, and Host Layers for Effective OLED Design. <i>Journal of Chemical Information and Modeling</i> , 2018, 58, 2440-2449.	5.4	22
14	Impact of Bulk Aggregation on the Electronic Structure of Streptocyanines: Implications for the Solid-State Nonlinear Optical Properties and All-Optical Switching Applications. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23575-23585.	3.1	20
15	Effect of Bulky Substituents on Thiopyrylium Polymethine Aggregation in the Solid State: A Theoretical Evaluation of the Implications for All-Optical Switching Applications. <i>Chemistry of Materials</i> , 2014, 26, 6439-6447.	6.7	18
16	Resolving and Controlling Photoinduced Ultrafast Solvation in the Solid State. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4183-4190.	4.6	18
17	Benchmarking Post-Hartree-Fock Methods To Describe the Nonlinear Optical Properties of Polymethines: An Investigation of the Accuracy of Algebraic Diagrammatic Construction (ADC) Approaches. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 5465-5476.	5.3	13
18	Mapping recombination profiles in single-, dual-, and mixed-host phosphorescent organic light emitting diodes. <i>Organic Electronics</i> , 2018, 57, 28-33.	2.6	2