

Niranjana Meher

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

711
citations

759055

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h-index

839398

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20
all docs

20
docs citations

20
times ranked

938
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional 1,8-Naphthalimide AIE/AIEEgens: Recent Advances and Prospects. ACS Applied Materials & Interfaces, 2018, 10, 12081-12111.	4.0	233
2	Aldehyde group driven aggregation-induced enhanced emission in naphthalimides and its application for ultradetection of hydrazine on multiple platforms. Chemical Science, 2018, 9, 3978-3985.	3.7	111
3	Spontaneously Self-Assembled Naphthalimide Nanosheets: Aggregation-Induced Emission and Unveiling aâ€PET for Sensitive Detection of Organic Volatile Contaminants in Water. Angewandte Chemie - International Edition, 2018, 57, 8488-8492.	7.2	71
4	Aggregation induced emission enhancement and growth of naphthalimide nanoribbons via J-aggregation: insight into disaggregation induced unfolding and detection of ferritin at the nanomolar level. Journal of Materials Chemistry B, 2016, 4, 6023-6031.	2.9	45
5	Pendant chain engineering to fine-tune the nanomorphologies and solid state luminescence of naphthalimide AIEEgens: application to phenolic nitro-explosive detection in water. Nanoscale, 2017, 9, 7674-7685.	2.8	41
6	Functional group engineering in naphthalimides: a conceptual insight to fine-tune the supramolecular self-assembly and condensed state luminescence. Nanoscale, 2019, 11, 13233-13242.	2.8	37
7	Condition Assessment of Aged Ester-Based Nanofluid Through Physicochemical and Spectroscopic Measurement. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 4853-4863.	2.4	36
8	Stepwise elucidation of fluorescence based sensing mechanisms considering picric acid as a model analyte. Analyst, The, 2020, 145, 4753-4767.	1.7	36
9	Modulation of Amyloid Aggregates into Nontoxic Coaggregates by Hydroxyquinoline Appended Polyfluorene. ACS Applied Materials & Interfaces, 2016, 8, 13309-13319.	4.0	21
10	Spontaneously Self-Assembled Naphthalimide Nanosheets: Aggregation-Induced Emission and Unveiling aâ€PET for Sensitive Detection of Organic Volatile Contaminants in Water. Angewandte Chemie, 2018, 130, 8624-8628.	1.6	19
11	An Unprecedented Blueshifted Naphthalimide AIEEgen for Ultrasensitive Detection of 4â€Nitroaniline in Water via â€Receptorâ€Freeâ€IFE Mechanism. Chemistry - an Asian Journal, 2019, 14, 4725-4731.	1.7	14
12	Long Alkyl Chain Induced OFET Characteristic with Low Threshold Voltage in an n-Type Perylene Monoimide Semiconductor. ACS Applied Electronic Materials, 2021, 3, 3575-3587.	2.0	13
13	Synthesis and Preliminary Biological Assessment of Carborane-Loaded Theranostic Nanoparticles to Target Prostate-Specific Membrane Antigen. ACS Applied Materials & Interfaces, 2021, 13, 54739-54752.	4.0	9
14	Self-Assembled Naphthalimide Nanoparticles for Nonvolatile ReRAM Devices: An Efficient Approach toward High Performance Solution-Processed and All-Organic Two-Terminal Resistive Memory Devices. ACS Applied Electronic Materials, 2019, 1, 2437-2444.	2.0	8
15	Polyfluorene-Based Bioconjugates for Selective Detection of Ferritin in Normal and Cancer Human Blood Serums. ACS Applied Polymer Materials, 2019, 1, 18-26.	2.0	7
16	A conformational tweak for enhanced cellular internalization, photobleaching resistance and prolonged imaging efficacy. Chemical Communications, 2020, 56, 14861-14864.	2.2	4
17	Modulating Early Stage Amyloid Aggregates by Dipeptide-Linked Perylenebisimides: Structureâ€Activity Relationship, Inhibition of Fibril Formation in Human CSF and A β 1â€40. ACS Applied Bio Materials, 2018, 1, 403-413.	2.3	3
18	Discriminative light-up detection of volatile chlorinated solvents and dual-phase encrypted security ink. Materials Advances, 2022, 3, 5980-5986.	2.6	3