Avijit Das

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11282330/publications.pdf

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19	415	759233 12	794594 19
papers	citations	h-index	g-index

19	19	19	361
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Small molecules derived Tailored-Superhydrophobicity on fibrous and porous Substratesâ€”with superior tolerance. Chemical Engineering Journal, 2022, 430, 132597.	12.7	8
2	Role of chemistry in bio-inspired liquid wettability. Chemical Society Reviews, 2022, 51, 5452-5497.	38.1	53
3	Porous and reactive polymeric interfaces: an emerging avenue for achieving durable and functional bio-inspired wettability. Journal of Materials Chemistry A, 2021, 9, 824-856.	10.3	24
4	Design of â€˜tolerant and hardâ€™ superhydrophobic coatings to freeze physical deformation. Materials Horizons, 2021, 8, 2717-2725.	12.2	15
5	Abrasion tolerant, non-stretchable and super-water-repellent conductive & ultrasensitive pattern for identifying slow, fast, weak and strong human motions under diverse conditions. Materials Horizons, 2021, 8, 2851-2858.	12.2	6
6	Rapid and Scalable Synthesis of a Vanillin-Based Organogelator and Its Durable Composite for a Comprehensive Remediation of Crude-Oil Spillages. ACS Applied Materials & Interfaces, 2021, 13, 46803-46812.	8.0	11
7	Michael Addition Reaction Assisted Derivation of Functional and Durable Superhydrophobic Interfaces. Chemistry of Materials, 2021, 33, 8941-8959.	6.7	14
8	Hydrophobicity or superhydrophobicityâ€”which is the right choice for stabilizing underwater superoleophilicity?. Journal of Materials Chemistry A, 2020, 8, 97-106.	10.3	20
9	Customizing oil-wettability in airâ€”without affecting extreme water repellency. Nanoscale, 2020, 12, 24349-24356.	5.6	12
10	Synergistic chemical patterns on a hydrophilic slippery liquid infused porous surface (SLIPS) for water harvesting applications. Journal of Materials Chemistry A, 2020, 8, 25040-25046.	10.3	30
11	Reduction of imine-based cross-linkages to achieve sustainable underwater superoleophobicity that performs under challenging conditions. Journal of Materials Chemistry A, 2020, 8, 15148-15156.	10.3	13
12	How Does Chemistry Influence Liquid Wettability on Liquid-Infused Porous Surface?. ACS Applied Materials & Interfaces, 2020, 12, 14531-14541.	8.0	16
13	Facile optimization of hierarchical topography and chemistry on magnetically active graphene oxide nanosheets. Chemical Science, 2020, 11, 6556-6566.	7.4	16
14	Catalyst-Free and Rapid Chemical Approach for in Situ Growth of â€œChemically Reactiveâ€•and Porous Polymeric Coating. ACS Applied Materials & Interfaces, 2019, 11, 34316-34329.	8.0	12
15	Synthesis of Dual-Functional and Robust Underwater Superoleophobic Interfaces. ACS Applied Materials & Interfaces, 2019, 11, 28571-28581.	8.0	19
16	Sustainable Biomimicked Oil/Water Wettability That Performs Under Severe Challenges. ACS Sustainable Chemistry and Engineering, 2019, 7, 11350-11359.	6.7	18
17	Synthesis of fish scale and lotus leaf mimicking, stretchable and durable multilayers. Journal of Materials Chemistry A, 2018, 6, 15993-16002.	10.3	37
18	Robust and Self-Healable Bulk-Superhydrophobic Polymeric Coating. Chemistry of Materials, 2017, 29, 8720-8728.	6.7	65

#	Article	IF	Citations
19	Strategic Formulation of Graphene Oxide Sheets for Flexible Monoliths and Robust Polymeric Coatings Embedded with Durable Bioinspired Wettability. ACS Applied Materials & Interfaces, 2017, 9, 42354-42365.	8.0	26