

Anand Bala Subramaniam

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,735
citations

516710

16
h-index

580821

25
g-index

26
all docs

26
docs citations

26
times ranked

2313
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-spherical bubbles. <i>Nature</i> , 2005, 438, 930-930.	27.8	256
2	Controlled assembly of jammed colloidal shells on fluid droplets. <i>Nature Materials</i> , 2005, 4, 553-556.	27.5	253
3	Omniphobic $\text{e}^{\text{R}}\text{F}$ Paper—Produced by Silanization of Paper with Fluoroalkyltrichlorosilanes. <i>Advanced Functional Materials</i> , 2014, 24, 60-70.	14.9	169
4	Rapid fabrication of pressure-driven open-channel microfluidic devices in omniphobic RF paper. <i>Lab on A Chip</i> , 2013, 13, 2922.	6.0	153
5	Dissolution Arrest and Stability of Particle-Covered Bubbles. <i>Physical Review Letters</i> , 2007, 99, 188301.	7.8	150
6	Microstructure, Morphology, and Lifetime of Armored Bubbles Exposed to Surfactants. <i>Langmuir</i> , 2006, 22, 5986-5990.	3.5	110
7	Paper-based electroanalytical devices with an integrated, stable reference electrode. <i>Lab on A Chip</i> , 2013, 13, 4103.	6.0	95
8	Mechanics of Interfacial Composite Materials. <i>Langmuir</i> , 2006, 22, 10204-10208.	3.5	91
9	Noncontact orientation of objects in three-dimensional space using magnetic levitation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12980-12985.	7.1	71
10	Using Magnetic Levitation for Non-Destructive Quality Control of Plastic Parts. <i>Advanced Materials</i> , 2015, 27, 1587-1592.	21.0	49
11	Polymer-based mesh as supports for multi-layered 3D cell culture and assays. <i>Biomaterials</i> , 2014, 35, 259-268.	11.4	44
12	Glycans pattern the phase behaviour of lipid membranes. <i>Nature Materials</i> , 2013, 12, 128-133.	27.5	41
13	Particle/Fluid Interface Replication as a Means of Producing Topographically Patterned Polydimethylsiloxane Surfaces for Deposition of Lipid Bilayers. <i>Advanced Materials</i> , 2010, 22, 2142-2147.	21.0	39
14	Semi-permeable vesicles composed of natural clay. <i>Soft Matter</i> , 2011, 7, 2600.	2.7	38
15	Novel Application of Cellulose Paper As a Platform for the Macromolecular Self-Assembly of Biomimetic Giant Liposomes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32102-32107.	8.0	34
16	Metal-Amplified Density Assays, (MADAs), including a Density-Linked Immunosorbent Assay (DeLISA). <i>Lab on A Chip</i> , 2015, 15, 1009-1022.	6.0	32
17	Shifts in the Distribution of Mass Densities Is a Signature of Caloric Restriction in <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2013, 8, e69651.	2.5	17
18	The effect of double-chain surfactants on armored bubbles: a surfactant-controlled route to colloidosomes. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 6476.	2.8	15

#	ARTICLE	IF	CITATIONS
19	Cellulose Assisted Assembly and Temporally Decoupled Loading of Cargo into Vesicles Synthesized from Functionally Diverse Lamellar Phase Forming Amphiphiles. <i>Biomacromolecules</i> , 2018, 19, 849-859.	5.4	14
20	Nanoscale Curvature Promotes High Yield Spontaneous Formation of Cell-Mimetic Giant Vesicles on Nanocellulose Paper. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 56549-56561.	8.0	14
21	Lipid Bilayers Are Long-Lived on Solvent Cleaned Plasma-Oxidized poly(dimethyl)siloxane (ox-PDMS). <i>PLoS ONE</i> , 2017, 12, e0169487.	2.5	11
22	Shape Transformations of Lipid Bilayers Following Rapid Cholesterol Uptake. <i>Biophysical Journal</i> , 2016, 111, 2651-2657.	0.5	10
23	Plasmon-actuated nano-assembled microshells. <i>Scientific Reports</i> , 2017, 7, 17788.	3.3	10
24	Size Distributions and Yields of Giant Vesicles Assembled on Cellulose Papers and Cotton Fabric. <i>Langmuir</i> , 2019, 35, 7798-7804.	3.5	10
25	Fabrics of Diverse Chemistries Promote the Formation of Giant Vesicles from Phospholipids and Amphiphilic Block Copolymers. <i>Langmuir</i> , 2019, 35, 9264-9273.	3.5	9