

Benjamin S Schuster

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,592
citations

623574

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940416

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docs citations

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times ranked

2049
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomolecular Condensates: Sequence Determinants of Phase Separation, Microstructural Organization, Enzymatic Activity, and Material Properties. <i>Journal of Physical Chemistry B</i> , 2021, 125, 3441-3451.	1.2	48
2	Designer membraneless organelles sequester native factors for control of cell behavior. <i>Nature Chemical Biology</i> , 2021, 17, 998-1007.	3.9	60
3	Surface tension and viscosity of protein condensates quantified by micropipette aspiration. <i>Biophysical Reports</i> , 2021, 1, 100011.	0.7	32
4	Incorporation and Assembly of a Light-Emitting Enzymatic Reaction into Model Protein Condensates. <i>Biochemistry</i> , 2021, 60, 3137-3151.	1.2	6
5	Amphiphilic proteins coassemble into multiphasic condensates and act as biomolecular surfactants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	37
6	Identifying sequence perturbations to an intrinsically disordered protein that determine its phase-separation behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11421-11431.	3.3	202
7	SPLIT: Stable Protein Coacervation Using a Light Induced Transition. <i>ACS Synthetic Biology</i> , 2020, 9, 500-507.	1.9	44
8	Optochemical Control of Protein Localization and Activity within Cell-like Compartments. <i>Biochemistry</i> , 2018, 57, 2590-2596.	1.2	26
9	Controllable protein phase separation and modular recruitment to form responsive membraneless organelles. <i>Nature Communications</i> , 2018, 9, 2985.	5.8	274
10	Directly light-regulated binding of RGS-LOV photoreceptors to anionic membrane phospholipids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7720-E7727.	3.3	52
11	Photoactivatable fluorescent probes reveal heterogeneous nanoparticle permeation through biological gels at multiple scales. <i>Journal of Controlled Release</i> , 2017, 260, 124-133.	4.8	14
12	Nanoparticles that do not adhere to mucus provide uniform and long-lasting drug delivery to airways following inhalation. <i>Science Advances</i> , 2017, 3, e1601556.	4.7	219
13	Liposome-based mucus-penetrating particles (MPP) for mucosal theranostics: Demonstration of diamagnetic chemical exchange saturation transfer (diaCEST) magnetic resonance imaging (MRI). <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 401-405.	1.7	44
14	Particle tracking in drug and gene delivery research: State-of-the-art applications and methods. <i>Advanced Drug Delivery Reviews</i> , 2015, 91, 70-91.	6.6	114
15	Overcoming the Cystic Fibrosis Sputum Barrier to Leading Adeno-associated Virus Gene Therapy Vectors. <i>Molecular Therapy</i> , 2014, 22, 1484-1493.	3.7	75
16	Nanoparticle diffusion in respiratory mucus from humans without lung disease. <i>Biomaterials</i> , 2013, 34, 3439-3446.	5.7	336