

Benjamin Johnson

List of Publications by Year in descending order

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28
papers

1,171
citations

516561

16
h-index

552653

26
g-index

28
all docs

28
docs citations

28
times ranked

2052
citing authors

#	ARTICLE	IF	CITATIONS
1	Site-Directed Conjugation of "Clicked" Glycopolymers To Form Glycoprotein Mimics: Binding to Mammalian Lectin and Induction of Immunological Function. <i>Journal of the American Chemical Society</i> , 2007, 129, 15156-15163.	6.6	281
2	Controlling the fluorescence and room-temperature phosphorescence behaviour of carbon nanodots with inorganic crystalline nanocomposites. <i>Nature Communications</i> , 2019, 10, 206.	5.8	128
3	A highly reactive precursor in the iron sulfide system. <i>Nature Communications</i> , 2018, 9, 3125.	5.8	95
4	A β 242 oligomers, but not fibrils, simultaneously bind to and cause damage to ganglioside-containing lipid membranes. <i>Biochemical Journal</i> , 2011, 439, 67-77.	1.7	93
5	Expanding 3D geometry for enhanced on-chip microbubble production and single step formation of liposome modified microbubbles. <i>Lab on A Chip</i> , 2012, 12, 4544.	3.1	80
6	On-chip preparation of nanoscale contrast agents towards high-resolution ultrasound imaging. <i>Lab on A Chip</i> , 2016, 16, 679-687.	3.1	61
7	Ultrasound-triggered therapeutic microbubbles enhance the efficacy of cytotoxic drugs by increasing circulation and tumor drug accumulation and limiting bioavailability and toxicity in normal tissues. <i>Theranostics</i> , 2020, 10, 10973-10992.	4.6	45
8	Native <i>E. coli</i> inner membrane incorporation in solid-supported lipid bilayer membranes. <i>Biointerphases</i> , 2008, 3, FA59-FA67.	0.6	39
9	Universal synthesis method for mixed phase TiO ₂ (B)/anatase TiO ₂ thin films on substrates via a modified low pressure chemical vapour deposition (LPCVD) route. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5685-5699.	5.2	39
10	Concentrating Membrane Proteins Using Asymmetric Traps and AC Electric Fields. <i>Journal of the American Chemical Society</i> , 2011, 133, 6521-6524.	6.6	36
11	The influence of intercalating perfluorohexane into lipid shells on nano and microbubble stability. <i>Soft Matter</i> , 2016, 12, 7223-7230.	1.2	36
12	Minimal F-Actin Cytoskeletal System for Planar Supported Phospholipid Bilayers. <i>Langmuir</i> , 2008, 24, 6827-6836.	1.6	33
13	Effect of the Structure of Cholesterol-Based Tethered Bilayer Lipid Membranes on Ionophore Activity. <i>ChemPhysChem</i> , 2010, 11, 2191-2198.	1.0	32
14	Phospholipid dependent mechanism of smp24, an α -helical antimicrobial peptide from scorpion venom. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 2737-2744.	1.4	27
15	A Self-assembly Route for Double Bilayer Lipid Membrane Formation. <i>ChemPhysChem</i> , 2010, 11, 569-574.	1.0	21
16	A bioinspired peptide matrix for the detection of 2,4,6-trinitrotoluene (TNT). <i>Biosensors and Bioelectronics</i> , 2020, 153, 112030.	5.3	21
17	Horizon: Microfluidic platform for the production of therapeutic microbubbles and nanobubbles. <i>Review of Scientific Instruments</i> , 2021, 92, 074105.	0.6	15
18	Actin Assembly at Model-Supported Lipid Bilayers. <i>Biophysical Journal</i> , 2013, 105, 2355-2365.	0.2	14

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19	Force spectroscopy of streptavidin conjugated lipid coated microbubbles. Bubble Science, Engineering & Technology, 2010, 2, 48-54.	0.2	14
20	Self-Assembly of Actin Scaffolds at Ponticulin-Containing Supported Phospholipid Bilayers. Biophysical Journal, 2006, 90, L21-L23.	0.2	13
21	Controlling transmembrane protein concentration and orientation in supported lipid bilayers. Chemical Communications, 2017, 53, 4250-4253.	2.2	13
22	Enhanced Tubulation of Liposome Containing Cardiolipin by MamY Protein from Magnetotactic Bacteria. Biotechnology Journal, 2018, 13, 1800087.	1.8	12
23	Self-assembly of actin scaffolds on lipid microbubbles. Soft Matter, 2014, 10, 694-700.	1.2	9
24	Freeze-Dried Therapeutic Microbubbles: Stability and Gas Exchange. ACS Applied Bio Materials, 2020, 3, 7840-7848.	2.3	6
25	Fluoride doped Fe^{2+}O_3 nanoparticles with increased MRI relaxivity. Journal of Materials Chemistry B, 2018, 6, 3665-3673.	2.9	5
26	In vitro biosynthesis of bacterial peptidoglycan using d-Cys-containing precursors: fluorescent detection of transglycosylation and transpeptidation. Chemical Communications, 2009, , 4037.	2.2	3
27	10.1063/5.0040213.1., 2021, , .		0
28	Gram-negative bacterium illustration is misleading. Nursing Standard (Royal College of Nursing) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38 0.1		0