

Katelyn M Spillane

List of Publications by Year in descending order

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13
papers

1,534
citations

759233

12
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

2253
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA-Based Probes for Measuring Mechanical Forces in Cell-Cell Contacts: Application to B Cell Antigen Extraction from Immune Synapses. <i>Methods in Molecular Biology</i> , 2018, 1707, 69-80.	0.9	2
2	Functionalisation of Detonation Nanodiamond for Monodispersed, Soluble DNA-Nanodiamond Conjugates Using Mixed Silane Bead-Assisted Sonication Disintegration. <i>Scientific Reports</i> , 2018, 8, 728.	3.3	24
3	Intrinsic properties of human germinal center B cells set antigen affinity thresholds. <i>Science Immunology</i> , 2018, 3, .	11.9	65
4	Mechanics of antigen extraction in the B cell synapse. <i>Molecular Immunology</i> , 2018, 101, 319-328.	2.2	57
5	B cell antigen extraction is regulated by physical properties of antigen-presenting cells. <i>Journal of Cell Biology</i> , 2017, 216, 217-230.	5.2	129
6	Germinal center B cells recognize antigen through a specialized immune synapse architecture. <i>Nature Immunology</i> , 2016, 17, 870-877.	14.5	161
7	Wavepacket Splitting and Two-Pathway Deactivation in the Photoexcited Visual Pigment Isorhodopsin. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2504-2507.	13.8	45
8	Force Generation in B-Cell Synapses. <i>Advances in Immunology</i> , 2014, 123, 69-100.	2.2	40
9	High-Speed Single-Particle Tracking of GM1 in Model Membranes Reveals Anomalous Diffusion due to Interleaflet Coupling and Molecular Pinning. <i>Nano Letters</i> , 2014, 14, 5390-5397.	9.1	104
10	Direct Observation and Control of Supported Lipid Bilayer Formation with Interferometric Scattering Microscopy. <i>ACS Nano</i> , 2013, 7, 10662-10670.	14.6	69
11	Conformational Homogeneity and Excited-State Isomerization Dynamics of the Bilin Chromophore in Phytochrome Cph1 from Resonance Raman Intensities. <i>Biophysical Journal</i> , 2012, 102, 709-717.	0.5	21
12	Conical intersection dynamics of the primary photoisomerization event in vision. <i>Nature</i> , 2010, 467, 440-443.	27.8	779
13	Homogeneity of Phytochrome Cph1 Vibronic Absorption Revealed by Resonance Raman Intensity Analysis. <i>Journal of the American Chemical Society</i> , 2009, 131, 13946-13948.	13.7	38