

Erin D Sheets

List of Publications by Year in descending order

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33
papers

2,885
citations

430874

18
h-index

477307

29
g-index

34
all docs

34
docs citations

34
times ranked

3016
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversible Compartmentalization of de Novo Purine Biosynthetic Complexes in Living Cells. <i>Science</i> , 2008, 320, 103-106.	12.6	459
2	Revisiting the Fluid Mosaic Model of Membranes. <i>Science</i> , 1995, 268, 1441-1442.	12.6	449
3	Critical Role for Cholesterol in Lyn-mediated Tyrosine Phosphorylation of Fc μ RI and Their Association with Detergent-resistant Membranes. <i>Journal of Cell Biology</i> , 1999, 145, 877-887.	5.2	306
4	Transient Confinement of a Glycosylphosphatidylinositol-Anchored Protein in the Plasma Membrane. <i>Biochemistry</i> , 1997, 36, 12449-12458.	2.5	293
5	Quantitative Analysis of Phospholipids in Functionally Important Membrane Domains from RBL-2H3 Mast Cells Using Tandem High-Resolution Mass Spectrometry. <i>Biochemistry</i> , 1999, 38, 8056-8063.	2.5	274
6	Detection of temporary lateral confinement of membrane proteins using single-particle tracking analysis. <i>Biophysical Journal</i> , 1995, 69, 989-993.	0.5	253
7	Oligo(ethylene glycol) Containing Polymer Brushes as Bioselective Surfaces. <i>Langmuir</i> , 2005, 21, 2495-2504.	3.5	132
8	Membrane organization in immunoglobulin E receptor signaling. <i>Current Opinion in Chemical Biology</i> , 1999, 3, 95-99.	6.1	128
9	Quantitative Analysis of the Fluorescence Properties of Intrinsically Fluorescent Proteins in Living Cells. <i>Biophysical Journal</i> , 2003, 85, 2566-2580.	0.5	92
10	How does the plasma membrane participate in cellular signaling by receptors for immunoglobulin E?. <i>Biophysical Chemistry</i> , 1999, 82, 109-119.	2.8	76
11	New insights into membrane dynamics from the analysis of cell surface interactions by physical methods. <i>Current Opinion in Cell Biology</i> , 1995, 7, 707-714.	5.4	69
12	Membrane Order and Molecular Dynamics Associated with IgE Receptor Cross-Linking in Mast Cells. <i>Biophysical Journal</i> , 2007, 92, 343-355.	0.5	54
13	Perceptions of Pharmacy Students, Faculty Members, and Administrators on the Use of Technology in the Classroom. <i>American Journal of Pharmaceutical Education</i> , 2013, 77, 75.	2.1	40
14	Molecular Perspective of Antigen-mediated Mast Cell Signaling. <i>Journal of Biological Chemistry</i> , 2008, 283, 7117-7127.	3.4	37
15	Time-of-Flight Secondary Ion Mass Spectrometry Imaging of Subcellular Lipid Heterogeneity: Poisson Counting and Spatial Resolution. <i>Analytical Chemistry</i> , 2009, 81, 5593-5602.	6.5	37
16	Fluorescence Dynamics of a FRET Probe Designed for Crowding Studies. <i>Journal of Physical Chemistry B</i> , 2017, 121, 5688-5698.	2.6	27
17	Vesicle Diffusion Close to a Membrane: Intermembrane Interactions Measured with Fluorescence Correlation Spectroscopy. <i>Biophysical Journal</i> , 2008, 95, 5789-5797.	0.5	26
18	Crowding Effects on Energy-Transfer Efficiencies of Hetero-FRET Probes As Measured Using Time-Resolved Fluorescence Anisotropy. <i>Journal of Physical Chemistry B</i> , 2019, 123, 379-393.	2.6	21

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19	Rotational and translational diffusion of size-dependent fluorescent probes in homogeneous and heterogeneous environments. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 24045-24057.	2.8	17
20	Peripheral Protein Organization and Its Influence on Lipid Diffusion in Biomimetic Membranes. <i>ACS Chemical Biology</i> , 2010, 5, 393-403.	3.4	16
21	Bioengineering and Bioinformatics Summer Institutes: Meeting Modern Challenges in Undergraduate Summer Research. <i>CBE Life Sciences Education</i> , 2008, 7, 45-53.	2.3	14
22	Macromolecular crowding effects on energy transfer efficiency and donor-acceptor distance of hetero-FRET sensors using time-resolved fluorescence. <i>Methods and Applications in Fluorescence</i> , 2019, 7, 025002.	2.3	13
23	FRET Analysis of Ionic Strength Sensors in the Hofmeister Series of Salt Solutions Using Fluorescence Lifetime Measurements. <i>Journal of Physical Chemistry B</i> , 2020, 124, 3447-3458.	2.6	12
24	A versatile multimode microscope to probe and manipulate nanoparticles and biomolecules. <i>Journal of Microscopy</i> , 2007, 225, 137-146.	1.8	9
25	Characterizing the chemical complexity of patterned biomimetic membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 2461-2468.	2.6	9
26	Fluorescence depolarization dynamics of ionic strength sensors using time-resolved anisotropy. <i>Biophysical Journal</i> , 2021, 120, 1417-1430.	0.5	7
27	Decreased IgG-Fc γ RIII dissociation kinetics in the presence of a protein antigen. <i>Molecular Immunology</i> , 1997, 34, 519-526.	2.2	6
28	Manipulating and probing the spatio-temporal dynamics of nanoparticles near surfaces. , 2006, , .		2
29	Multiscale diffusion of a molecular probe in a crowded environment: a concept. , 2015, , .		2
30	Molecular Brightness Approach for FRET Analysis of Donor-Linker-Acceptor Constructs at the Single Molecule Level: A Concept. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 730394.	3.5	2
31	Comparative studies of the fluorescence spectroscopy and dynamics of mCerulean3 and mTurquoise2.1 as donors in FRET pairing with mCitrine. , 2020, , .		1
32	Integrated fluorescence approach for FRET analysis of environmental sensors. , 2019, , .		1
33	MUTATION-PHOTOPHYSICS RELATIONSHIP IN INTRINSICALLY FLUORESCENT PROTEINS. , 2002, , .		0