

Andreas Bruckbauer

List of Publications by Year in descending order

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42
papers

3,515
citations

186265

28
h-index

265206

42
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44
all docs

44
docs citations

44
times ranked

4600
citing authors

#	ARTICLE	IF	CITATIONS
1	The Membrane Skeleton Controls Diffusion Dynamics and Signaling through the B Cell Receptor. <i>Immunity</i> , 2010, 32, 187-199.	14.3	314
2	The Actin and Tetraspanin Networks Organize Receptor Nanoclusters to Regulate B Cell Receptor-Mediated Signaling. <i>Immunity</i> , 2013, 38, 461-474.	14.3	306
3	A Reversible pH-Driven DNA Nanoswitch Array. <i>Journal of the American Chemical Society</i> , 2006, 128, 2067-2071.	13.7	213
4	CD169+ macrophages present lipid antigens to mediate early activation of iNKT cells in lymph nodes. <i>Nature Immunology</i> , 2010, 11, 303-312.	14.5	186
5	Writing with DNA and Protein Using a Nanopipet for Controlled Delivery. <i>Journal of the American Chemical Society</i> , 2002, 124, 8810-8811.	13.7	185
6	Dynamic cortical actin remodeling by ERM proteins controls BCR microcluster organization and integrity. <i>Journal of Experimental Medicine</i> , 2011, 208, 1055-1068.	8.5	165
7	Asymmetric Segregation of Polarized Antigen on B Cell Division Shapes Presentation Capacity. <i>Science</i> , 2012, 335, 475-479.	12.6	144
8	Initiation of Antiviral B Cell Immunity Relies on Innate Signals from Spatially Positioned NKT Cells. <i>Cell</i> , 2018, 172, 517-533.e20.	28.9	142
9	Frequency and Voltage Dependence of the Dielectrophoretic Trapping of Short Lengths of DNA and dCTP in a Nanopipette. <i>Biophysical Journal</i> , 2004, 86, 1018-1027.	0.5	139
10	Inflammation-induced disruption of SCS macrophages impairs B cell responses to secondary infection. <i>Science</i> , 2015, 347, 667-672.	12.6	117
11	Multicomponent Submicron Features of Biomolecules Created by Voltage Controlled Deposition from a Nanopipet. <i>Journal of the American Chemical Society</i> , 2003, 125, 9834-9839.	13.7	116
12	The scanned nanopipette: a new tool for high resolution bioimaging and controlled deposition of biomolecules. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 2859.	2.8	107
13	An Addressable Antibody Nanoarray Produced on a Nanostructured Surface. <i>Journal of the American Chemical Society</i> , 2004, 126, 6508-6509.	13.7	102
14	Two-Component Graded Deposition of Biomolecules with a Double-Barreled Nanopipette. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6854-6859.	13.8	101
15	Nanoscale organization and dynamics of the siglec <sc>CD</sc>22 cooperate with the cytoskeleton in restraining <sc>BCR</sc> signalling. <i>EMBO Journal</i> , 2016, 35, 258-280.	7.8	97
16	Nanoscale Pipetting for Controlled Chemistry in Small Arrayed Water Droplets Using a Double-Barrel Pipet. <i>Nano Letters</i> , 2006, 6, 252-257.	9.1	89
17	Nanopipette Delivery of Individual Molecules to Cellular Compartments for Single-Molecule Fluorescence Tracking. <i>Biophysical Journal</i> , 2007, 93, 3120-3131.	0.5	89
18	B Cell Receptor-Mediated Antigen Gathering Requires Ubiquitin Ligase Cbl and Adaptors Grb2 and Dok-3 to Recruit Dynein to the Signaling Microcluster. <i>Immunity</i> , 2011, 34, 905-918.	14.3	88

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19	A switch from canonical to noncanonical autophagy shapes B cell responses. <i>Science</i> , 2017, 355, 641-647.	12.6	88
20	Programmable Delivery of DNA through a Nanopipet. <i>Analytical Chemistry</i> , 2002, 74, 1380-1385.	6.5	84
21	Protein Kinase C- $\hat{1}^2$ Dictates B Cell Fate by Regulating Mitochondrial Remodeling, Metabolic Reprogramming, and Heme Biosynthesis. <i>Immunity</i> , 2018, 48, 1144-1159.e5.	14.3	78
22	Cdc42 is a key regulator of B cell differentiation and is required for antiviral humoral immunity. <i>Journal of Experimental Medicine</i> , 2015, 212, 53-72.	8.5	71
23	Raman spectroscopy of pyridine adsorbed on single crystal copper electrodes. <i>Journal of Raman Spectroscopy</i> , 1998, 29, 665-672.	2.5	68
24	Wiskott-Aldrich Syndrome Interacting Protein Deficiency Uncovers the Role of the Co-receptor CD19 as a Generic Hub for PI3 Kinase Signaling in B Cells. <i>Immunity</i> , 2015, 43, 660-673.	14.3	68
25	Supramolecular organization of the sperm plasma membrane during maturation and capacitation. <i>Asian Journal of Andrology</i> , 2007, 9, 438-444.	1.6	61
26	Building Three-Dimensional Surface Biological Assemblies on the Nanometer Scale. <i>Nano Letters</i> , 2003, 3, 1517-1520.	9.1	51
27	Bayesian Inference for Improved Single Molecule Fluorescence Tracking. <i>Biophysical Journal</i> , 2008, 94, 4932-4947.	0.5	42
28	Tracking diffusion of GM1 gangliosides and zona pellucida binding molecules in sperm plasma membranes following cholesterol efflux. <i>Developmental Biology</i> , 2010, 339, 398-406.	2.0	35
29	Dynamics and stoichiometry of a regulated enhancer-binding protein in live <i>Escherichia coli</i> cells. <i>Nature Communications</i> , 2013, 4, 1997.	12.8	26
30	Influence of the Foundation Layer on the Layer-by-Layer Assembly of Poly-L-lysine and Poly(styrenesulfonate) and Its Usage in the Fabrication of 3D Microscale Features. <i>Langmuir</i> , 2004, 20, 9089-9094.	3.5	20
31	Characterization of a Novel Light Source for Simultaneous Optical and Scanning Ion Conductance Microscopy. <i>Analytical Chemistry</i> , 2002, 74, 2612-2616.	6.5	18
32	The Lack of WIP Binding to Actin Results in Impaired B Cell Migration and Altered Humoral Immune Responses. <i>Cell Reports</i> , 2018, 24, 619-629.	6.4	17
33	B cells rapidly target antigen and surface-derived MHCII into peripheral degradative compartments. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	15
34	Selective Diffusion Barriers Separate Membrane Compartments. <i>Biophysical Journal</i> , 2010, 99, L1-L3.	0.5	13
35	A Simple Voltage Controlled Enzymatic Nanoreactor Produced in the Tip of a Nanopipet. <i>Nano Letters</i> , 2004, 4, 1859-1862.	9.1	12
36	Attenuated Total Reflection-Scanning Near-Field Raman Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2001, 40, 4423-4429.	1.5	9

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37	Dynamic reorganisation of intermediate filaments coordinates early B-cell activation. <i>Life Science Alliance</i> , 2018, 1, e201800060.	2.8	8
38	Macroscopic 2D Networks Self-Assembled from Nanometer-Sized Protein/DNA Complexes. <i>Nano Letters</i> , 2006, 6, 365-370.	9.1	7
39	Line shape of the stretching vibration of CO adsorbed on rough copper surfaces. <i>Surface Science</i> , 2002, 502-503, 394-398.	1.9	5
40	Comment on "Trapping Single Molecules by Dielectrophoresis". <i>Physical Review Letters</i> , 2006, 96, 199801; author reply 199802.	7.8	2
41	Cover Picture: Two-Component Graded Deposition of Biomolecules with a Double-Barreled Nanopipette (<i>Angew. Chem. Int. Ed.</i> 42/2005). <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6789-6789.	13.8	0
42	Dynamic cortical actin remodeling by ERM proteins controls BCR microcluster organization and integrity. <i>Journal of Cell Biology</i> , 2011, 193, i6-i6.	5.2	0