

Jennifer N Rauch

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39
papers

1,831
citations

25
h-index

42
g-index

44
ext. papers

2,393
ext. citations

9.7
avg, IF

5
L-index

#	Paper	IF	Citations
39	CREST, a Cas13-Based, Rugged, Equitable, Scalable Testing (CREST) for SARS-CoV-2 Detection in Patient Samples.. <i>Current Protocols</i> , 2022 , 2, e385		0
38	Stress routes clients to the proteasome via a BAG2 ubiquitin-independent degradation condensate. <i>Nature Communications</i> , 2022 , 13,	17.4	3
37	Chemical validation of a druggable site on Hsp27/HSPB1 using in silico solvent mapping and biophysical methods. <i>Bioorganic and Medicinal Chemistry</i> , 2021 , 34, 115990	3.4	
36	A Scalable, Easy-to-Deploy Protocol for Cas13-Based Detection of SARS-CoV-2 Genetic Material. <i>Journal of Clinical Microbiology</i> , 2021 , 59,	9.7	44
35	Comparison of Severe Acute Respiratory Syndrome Coronavirus 2 Screening Using Reverse Transcriptase-Quantitative Polymerase Chain Reaction or CRISPR-Based Assays in Asymptomatic College Students. <i>JAMA Network Open</i> , 2021 , 4, e2037129	10.4	6
34	LRP1 is a master regulator of tau uptake and spread. <i>Nature</i> , 2020 , 580, 381-385	50.4	144
33	The proline-rich domain promotes Tau liquid-liquid phase separation in cells. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	27
32	A farnesyltransferase inhibitor activates lysosomes and reduces tau pathology in mice with tauopathy. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	46
31	Hsp70 and Hsp40 inhibit an inter-domain interaction necessary for transcriptional activity in the androgen receptor. <i>Nature Communications</i> , 2019 , 10, 3562	17.4	23
30	Narrow equilibrium window for complex coacervation of tau and RNA under cellular conditions. <i>ELife</i> , 2019 , 8,	8.9	72
29	Tau Internalization is Regulated by 6-O Sulfation on Heparan Sulfate Proteoglycans (HSPGs). <i>Scientific Reports</i> , 2018 , 8, 6382	4.9	104
28	High-throughput screen for inhibitors of protein-protein interactions in a reconstituted heat shock protein 70 (Hsp70) complex. <i>Journal of Biological Chemistry</i> , 2018 , 293, 4014-4025	5.4	24
27	Mapping interactions with the chaperone network reveals factors that protect against tau aggregation. <i>Nature Structural and Molecular Biology</i> , 2018 , 25, 384-393	17.6	60
26	Myopathy associated BAG3 mutations lead to protein aggregation by stalling Hsp70 networks. <i>Nature Communications</i> , 2018 , 9, 5342	17.4	36
25	Cofactors are essential constituents of stable and seeding-active tau fibrils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 13234-13239	11.5	47
24	Interactions between Microtubule-Associated Protein Tau (MAPT) and Small Molecules. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2017 , 7,	5.4	10
23	BAG3 Is a Modular, Scaffolding Protein that physically Links Heat Shock Protein 70 (Hsp70) to the Small Heat Shock Proteins. <i>Journal of Molecular Biology</i> , 2017 , 429, 128-141	6.5	84

22	RNA stores tau reversibly in complex coacervates. <i>PLoS Biology</i> , 2017 , 15, e2002183	9.7	158
21	Non-canonical Interactions between Heat Shock Cognate Protein 70 (Hsc70) and Bcl2-associated Anthanogene (BAG) Co-Chaperones Are Important for Client Release. <i>Journal of Biological Chemistry</i> , 2016 , 291, 19848-57	5.4	29
20	Protein Cross-Linking Capillary Electrophoresis for Protein-Protein Interaction Analysis. <i>Analytical Chemistry</i> , 2016 , 88, 8272-8	7.8	14
19	Structural and Biological Interaction of hsc-70 Protein with Phosphatidylserine in Endosomal Microautophagy. <i>Journal of Biological Chemistry</i> , 2016 , 291, 18096-106	5.4	37
18	Are There Still Alternatives? Relationships Between Alternative Media and Mainstream Media in a Converged Environment. <i>Sociology Compass</i> , 2016 , 10, 756-767	1.9	25
17	Stabilizing the Hsp70-Tau Complex Promotes Turnover in Models of Tauopathy. <i>Cell Chemical Biology</i> , 2016 , 23, 992-1001	8.2	43
16	Exploring the Alternative/Mainstream Dialectic: What Alternative Media Means to a Hybrid Audience. <i>Communication, Culture and Critique</i> , 2015 , 8, 124-143	0.8	31
15	Isoform-selective Genetic Inhibition of Constitutive Cytosolic Hsp70 Activity Promotes Client Tau Degradation Using an Altered Co-chaperone Complement. <i>Journal of Biological Chemistry</i> , 2015 , 290, 13115-27	5.4	34
14	Defining Hsp70 Subnetworks in Dengue Virus Replication Reveals Key Vulnerability in Flavivirus Infection. <i>Cell</i> , 2015 , 163, 1108-1123	56.2	166
13	Validation of the Hsp70-Bag3 protein-protein interaction as a potential therapeutic target in cancer. <i>Molecular Cancer Therapeutics</i> , 2015 , 14, 642-8	6.1	79
12	Binding of human nucleotide exchange factors to heat shock protein 70 (Hsp70) generates functionally distinct complexes in vitro. <i>Journal of Biological Chemistry</i> , 2014 , 289, 1402-14	5.4	103
11	Rehabilitating mutant GCase. <i>Chemistry and Biology</i> , 2014 , 21, 919-20		
10	Hsp70-Bag3 interactions regulate cancer-related signaling networks. <i>Cancer Research</i> , 2014 , 74, 4731-40	10.1	107
9	Development of a capillary electrophoresis platform for identifying inhibitors of protein-protein interactions. <i>Analytical Chemistry</i> , 2013 , 85, 9824-31	7.8	25
8	Hsp70 protein complexes as drug targets. <i>Current Pharmaceutical Design</i> , 2013 , 19, 404-17	3.3	89
7	Cysteine reactivity distinguishes redox sensing by the heat-inducible and constitutive forms of heat shock protein 70. <i>Chemistry and Biology</i> , 2012 , 19, 1391-9		71
6	Activists as interpretive communities: rituals of consumption and interaction in an alternative media audience. <i>Media, Culture and Society</i> , 2007 , 29, 994-1013	2.5	40
5	Hands-on Communication: Zine Circulation Rituals and the Interactive Limitations of Web Self-Publishing. <i>Popular Communication</i> , 2004 , 2, 153-169	0.9	4

4	Rooted in Nations, Blossoming in Globalization? A Cultural Perspective on the Content of a Northern Mainstream and a Southern Alternative News Agency. <i>Journal of Communication Inquiry</i> , 2003, 27, 87-103	1.1	8
3	A Scalable, Easy-to-Deploy, Protocol for Cas13-Based Detection of SARS-CoV-2 Genetic Material		23
2	CRISPR-based and RT-qPCR surveillance of SARS-CoV-2 in asymptomatic individuals uncovers a shift in viral prevalence among a university population		4
1	Narrow equilibrium window for complex coacervation of tau and RNA under cellular conditions		4