

# Sarvenaz Sarabipour

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/46760/publications.pdf>

Version: 2024-02-01

41  
papers

1,413  
citations

393982

19  
h-index

360668

35  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2131  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of FGF receptor dimerization and activation. <i>Nature Communications</i> , 2016, 7, 10262.	5.8	192
2	How IGF-1 activates its receptor. <i>ELife</i> , 2014, 3, .	2.8	154
3	On the value of preprints: An early career researcher perspective. <i>PLoS Biology</i> , 2019, 17, e3000151.	2.6	116
4	VEGFR-2 conformational switch in response to ligand binding. <i>ELife</i> , 2016, 5, e13876.	2.8	94
5	Changing scientific meetings for the better. <i>Nature Human Behaviour</i> , 2021, 5, 296-300.	6.2	86
6	Virtual conferences raise standards for accessibility and interactions. <i>ELife</i> , 2020, 9, .	2.8	83
7	The FRET Signatures of Noninteracting Proteins in Membranes: Simulations and Experiments. <i>Biophysical Journal</i> , 2014, 106, 1309-1317.	0.2	80
8	Modelling optical scattering artefacts for varying pathlength in a gel dosimeter phantom. <i>Physics in Medicine and Biology</i> , 2009, 54, 275-283.	1.6	61
9	Characterization of Membrane Protein Interactions in Plasma Membrane Derived Vesicles with Quantitative Imaging FRET Resonance Energy Transfer. <i>Accounts of Chemical Research</i> , 2015, 48, 2262-2269.	7.6	45
10	A survey-based analysis of the academic job market. <i>ELife</i> , 2020, 9, .	2.8	36
11	FGFR3 Unliganded Dimer Stabilization by the Juxtamembrane Domain. <i>Journal of Molecular Biology</i> , 2015, 427, 1705-1714.	2.0	35
12	Creating clear and informative image-based figures for scientific publications. <i>PLoS Biology</i> , 2021, 19, e3001161.	2.6	35
13	Mitigating the impact of conference and travel cancellations on researchers'™ futures. <i>ELife</i> , 2020, 9, .	2.8	34
14	Glycophorin A transmembrane domain dimerization in plasma membrane vesicles derived from CHO, HEK 293T, and A431 cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1829-1833.	1.4	31
15	Uninduced high-yield bacterial expression of fluorescent proteins. <i>Analytical Biochemistry</i> , 2014, 449, 155-157.	1.1	31
16	A New Method to Study Heterodimerization of Membrane Proteins and Its Application to Fibroblast Growth Factor Receptors. <i>Journal of Biological Chemistry</i> , 2017, 292, 1288-1301.	1.6	30
17	Intracellular Domain Contacts Contribute to Ecadherin Constitutive Dimerization in the Plasma Membrane. <i>Journal of Molecular Biology</i> , 2017, 429, 2231-2245.	2.0	28
18	VEGF-A121a binding to Neuropilins – A concept revisited. <i>Cell Adhesion and Migration</i> , 2018, 12, 204-214.	1.1	28

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19	Analytical characterization of plasma membrane-derived vesicles produced via osmotic and chemical vesiculation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1591-1598.	1.4	22
20	Ten simple rules to improve academic workâ€“life balance. <i>PLoS Computational Biology</i> , 2021, 17, e1009124.	1.5	21
21	Preprints are good for science and good for the public. <i>Nature</i> , 2018, 560, 553-553.	13.7	19
22	FGFR3 Transmembrane Domain Interactions Persist in the Presence of Its Extracellular Domain. <i>Biophysical Journal</i> , 2013, 105, 165-171.	0.2	15
23	Effect of the achondroplasia mutation on FGFR3 dimerization and FGFR3 structural response to fgf1 and fgf2: A quantitative FRET study in osmotically derived plasma membrane vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 1436-1442.	1.4	15
24	Building and sustaining mentor interactions as a mentee. <i>FEBS Journal</i> , 2022, 289, 1374-1384.	2.2	14
25	Pathogenic Cysteine Removal Mutations in FGFR Extracellular Domains Stabilize Receptor Dimers and Perturb the TM Dimer Structure. <i>Journal of Molecular Biology</i> , 2016, 428, 3903-3910.	2.0	12
26	Multiple Consequences of a Single Amino Acid Pathogenic RTK Mutation: The A391E Mutation in FGFR3. <i>PLoS ONE</i> , 2013, 8, e56521.	1.1	11
27	Targeting neuropilins as a viable SARSâ€“CoVâ€“2 treatment. <i>FEBS Journal</i> , 2021, 288, 5122-5129.	2.2	11
28	Parallels and Distinctions in FGFR, VEGFR, and EGFR Mechanisms of Transmembrane Signaling. <i>Biochemistry</i> , 2017, 56, 3159-3173.	1.2	10
29	A preliminary study of the measurement of slice-width dose profiles (SWDP) on diagnostic x-ray CT scanners using PAGAT polymer gel dosimeters with optical CT read-out. <i>Journal of Physics: Conference Series</i> , 2006, 56, 280-282.	0.3	5
30	Towards inclusive funding practices for early career researchers. <i>Journal of Science Policy &amp; Governance</i> , 2021, 18, .	0.1	5
31	Tumor and endothelial cells collaborate via transcellular receptor complexes. <i>Journal of Pathology</i> , 2019, 247, 155-157.	2.1	4
32	Writing an effective and supportive recommendation letter. <i>FEBS Journal</i> , 2022, 289, 298-307.	2.2	3
33	Light scattering artefacts in a funnel phantom using optical CT. <i>Journal of Physics: Conference Series</i> , 2009, 164, 012021.	0.3	2
34	Heterodimerization of Wild-Type and Mutant Fibroblast Growth Factor Receptors in Cell-Derived Vesicles. <i>Biophysical Journal</i> , 2016, 110, 225a.	0.2	1
35	Computational Systems Biochemistry: Beyond the Static Interactome. <i>Biochemistry</i> , 2018, 57, 9-10.	1.2	1
36	Optical Evaluation of normoxic PAGAT polymer gel dosimeters used to measure SWDP on diagnostic CT scanners. , 2007, , 1606-1608.		1

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37	Quantitative Measurements of Receptor Interactions in Mammalian Cells: Implications for Human Pathologies. <i>Biophysical Journal</i> , 2010, 98, 245a-246a.	0.2	0
38	Effect of FGFR3 Juxtamembrane Domain on FGFR3 Dimerization. <i>Biophysical Journal</i> , 2011, 100, 546a.	0.2	0
39	GpA Dimerization in Plasma Membranes of CHO, HEK293T and A431 Cells. <i>Biophysical Journal</i> , 2013, 104, 223a.	0.2	0
40	The FRET Signatures of Non-Interacting Proteins in Cellular Membranes. <i>Biophysical Journal</i> , 2014, 106, 719a.	0.2	0
41	FGF1 and FGF2 Induced FGFR3 Dimerization in Plasma Membrane Derived Vesicles. <i>Biophysical Journal</i> , 2014, 106, 103a.	0.2	0