

# Ahmed S Abdelfattah

## List of Publications by Citations

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**Version:** 2024-04-28

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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.

20  
papers

1,724  
citations

12  
h-index

25  
g-index

25  
ext. papers

2,212  
ext. citations

13.7  
avg, IF

4.12  
L-index

#	Paper	IF	Citations
20	An expanded palette of genetically encoded Ca <sup>2+</sup> indicators. <i>Science</i> , <b>2011</b> , 333, 1888-91	33.3	895
19	Bright and photostable chemigenetic indicators for extended in vivo voltage imaging. <i>Science</i> , <b>2019</b> , 365, 699-704	33.3	206
18	A Bright and Fast Red Fluorescent Protein Voltage Indicator That Reports Neuronal Activity in Organotypic Brain Slices. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 2458-72	6.6	115
17	A genetically encoded near-infrared fluorescent calcium ion indicator. <i>Nature Methods</i> , <b>2019</b> , 16, 171-174	11.6	96
16	Kilohertz frame-rate two-photon tomography. <i>Nature Methods</i> , <b>2019</b> , 16, 778-786	21.6	73
15	A fluorogenic red fluorescent protein heterodimer. <i>Chemistry and Biology</i> , <b>2012</b> , 19, 353-60		63
14	A long Stokes shift red fluorescent Ca <sup>2+</sup> indicator protein for two-photon and ratiometric imaging. <i>Nature Communications</i> , <b>2014</b> , 5, 5262	17.4	62
13	A genetically encoded Ca indicator based on circularly permuted sea anemone red fluorescent protein eqFP578. <i>BMC Biology</i> , <b>2018</b> , 16, 9	7.3	56
12	Genetically Encoded Glutamate Indicators with Altered Color and Topology. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 1832-1837	4.9	45
11	Microfluidic cell sorter-aided directed evolution of a protein-based calcium ion indicator with an inverted fluorescent response. <i>Integrative Biology (United Kingdom)</i> , <b>2014</b> , 6, 714-25	3.7	31
10	The HaloTag as a general scaffold for far-red tunable chemigenetic indicators. <i>Nature Chemical Biology</i> , <b>2021</b> , 17, 718-723	11.7	21
9	A general approach to engineer positive-going eFRET voltage indicators. <i>Nature Communications</i> , <b>2020</b> , 11, 3444	17.4	18
8	Wide-Area All-Optical Neurophysiology in Acute Brain Slices. <i>Journal of Neuroscience</i> , <b>2019</b> , 39, 4889-4908	11.6	11
7	Bright and photostable chemigenetic indicators for extended in vivo voltage imaging		10
6	Erasable labeling of neuronal activity using a reversible calcium marker. <i>ELife</i> , <b>2020</b> , 9,	8.9	6
5	Bright and tunable far-red chemigenetic indicators		5
4	Far-red fluorescent genetically encoded calcium ion indicators		5

3	A general approach to engineer positive-going eFRET voltage indicators	3
2	Sensitivity optimization of a rhodopsin-based fluorescent voltage indicator	1
1	Neurophotonic tools for microscopic measurements and manipulation: status report.. <i>Neurophotonics</i> , <b>2022</b> , 9, 013001	3.9 0