

# Alexander P Fields

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3231933/publications.pdf>

Version: 2024-02-01

12  
papers

2,122  
citations

840776

11  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

4069  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitive and specific multi-cancer detection and localization using methylation signatures in cell-free DNA. <i>Annals of Oncology</i> , 2020, 31, 745-759.	1.2	770
2	Dynamic profiling of the protein life cycle in response to pathogens. <i>Science</i> , 2015, 347, 1259038.	12.6	408
3	Pervasive functional translation of noncanonical human open reading frames. <i>Science</i> , 2020, 367, 1140-1146.	12.6	400
4	A Regression-Based Analysis of Ribosome-Profiling Data Reveals a Conserved Complexity to Mammalian Translation. <i>Molecular Cell</i> , 2015, 60, 816-827.	9.7	200
5	Electrokinetic trapping at the one nanometer limit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8937-8942.	7.1	129
6	Convex Lens-Induced Confinement for Imaging Single Molecules. <i>Analytical Chemistry</i> , 2010, 82, 6224-6229.	6.5	83
7	Euler buckling and nonlinear kinking of double-stranded DNA. <i>Nucleic Acids Research</i> , 2013, 41, 9881-9890.	14.5	36
8	Optimal tracking of a Brownian particle. <i>Optics Express</i> , 2012, 20, 22585.	3.4	34
9	Ultrasensitive Measurements of Microbial Rhodopsin Photocycles Using Photochromic FRET. <i>Photochemistry and Photobiology</i> , 2012, 88, 90-97.	2.5	26
10	Anti-Brownian Traps for Studies on Single Molecules. <i>Methods in Enzymology</i> , 2010, 475, 149-174.	1.0	22
11	The Cat That Caught the Canary: What To Do with Single-Molecule Trapping. <i>ACS Nano</i> , 2011, 5, 5296-5299.	14.6	14
12	A Flexible Anti-Brownian Electrokinetic (ABEL) Trap for Single-Molecule Immobilization in Solution. <i>Biophysical Journal</i> , 2009, 96, 288a.	0.5	0