

# Paul V Ruijgrok

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6988867/publications.pdf>

Version: 2024-02-01

10  
papers

1,004  
citations

933447

10  
h-index

1372567

10  
g-index

12  
all docs

12  
docs citations

12  
times ranked

1413  
citing authors

#	ARTICLE	IF	CITATIONS
1	Room-Temperature Detection of a Single Molecule's Absorption by Photothermal Contrast. <i>Science</i> , 2010, 330, 353-356.	12.6	363
2	Detection limits in photothermal microscopy. <i>Chemical Science</i> , 2010, 1, 343.	7.4	189
3	Damping of Acoustic Vibrations of Single Gold Nanoparticles Optically Trapped in Water. <i>Nano Letters</i> , 2012, 12, 1063-1069.	9.1	148
4	Spatiotemporal control of liquid crystal structure and dynamics through activity patterning. <i>Nature Materials</i> , 2021, 20, 875-882.	27.5	70
5	Cryo-EM structures reveal specialization at the myosin VI-actin interface and a mechanism of force sensitivity. <i>ELife</i> , 2017, 6, .	6.0	58
6	Acoustic and Optical Modes of Single Dumbbells of Gold Nanoparticles. <i>ChemPhysChem</i> , 2009, 10, 111-114.	2.1	48
7	Making gold nanoparticles fluorescent for simultaneous absorption and fluorescence detection on the single particle level. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 149-153.	2.8	47
8	Machine learning active-nematic hydrodynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	44
9	Controllable molecular motors engineered from myosin and RNA. <i>Nature Nanotechnology</i> , 2018, 13, 34-40.	31.5	19
10	Optical control of fast and processive engineered myosins in vitro and in living cells. <i>Nature Chemical Biology</i> , 2021, 17, 540-548.	8.0	17