

# Maurizio Righini

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6441455/publications.pdf>

Version: 2024-02-01

11  
papers

2,754  
citations

1040056

9  
h-index

1372567

10  
g-index

11  
all docs

11  
docs citations

11  
times ranked

3547  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmon nano-optical tweezers. Nature Photonics, 2011, 5, 349-356.	31.4	1,247
2	Parallel and selective trapping in a patterned plasmonic landscape. Nature Physics, 2007, 3, 477-480.	16.7	455
3	ClpX(P) Generates Mechanical Force to Unfold and Translocate Its Protein Substrates. Cell, 2011, 145, 459-469.	28.9	256
4	Surface Plasmon Optical Tweezers: Tunable Optical Manipulation in the Femtonewton Range. Physical Review Letters, 2008, 100, 186804.	7.8	235
5	Mechanical force releases nascent chain-mediated ribosome arrest in vitro and in vivo. Science, 2015, 348, 457-460.	12.6	207
6	ATP-dependent force generation and membrane scission by ESCRT-III and Vps4. Science, 2018, 362, 1423-1428.	12.6	150
7	Optical aggregation of metal nanoparticles in a microfluidic channel for surface-enhanced Raman scattering analysis. Lab on A Chip, 2009, 9, 193-195.	6.0	118
8	Co-temporal Force and Fluorescence Measurements Reveal a Ribosomal Gear Shift Mechanism of Translation Regulation by Structured mRNAs. Molecular Cell, 2019, 75, 1007-1019.e5.	9.7	46
9	Full molecular trajectories of RNA polymerase at single base-pair resolution. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1286-1291.	7.1	36
10	DNA bridges: A novel platform for single-molecule sequencing and other DNA-protein interaction applications. PLoS ONE, 2021, 16, e0260428.	2.5	4
11	The strength of surface plasmons. , 2008, , .		0