

# Kathleen A Hoffman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3245948/publications.pdf>

Version: 2024-02-01

10  
papers

124  
citations

1478505

6  
h-index

1372567

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

155  
citing authors

#	ARTICLE	IF	CITATIONS
1	Link, twist, energy, and the stability of DNA minicircles. <i>Biopolymers</i> , 2003, 70, 145-157.	2.4	32
2	Development and Assessment of Modules to Integrate Quantitative Skills in Introductory Biology Courses. <i>CBE Life Sciences Education</i> , 2016, 15, ar14.	2.3	23
3	The role of curvature feedback in the energetics and dynamics of lamprey swimming: A closed-loop model. <i>PLoS Computational Biology</i> , 2018, 14, e1006324.	3.2	23
4	An Extended Conjugate Point Theory with Application to the Stability of Planar Buckling of an Elastic Rod Subject to a Repulsive Self-Potential. <i>SIAM Journal on Mathematical Analysis</i> , 2009, 41, 465-494.	1.9	13
5	Roles of GABA <sub>A</sub> and GABA <sub>B</sub> receptors in regulating thalamic activity by the zona incerta: a computational study. <i>Journal of Neurophysiology</i> , 2014, 112, 2580-2596.	1.8	9
6	Characterization of the encoding properties of intraspinal mechanosensory neurons in the lamprey. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2017, 203, 831-841.	1.6	9
7	A Variational Rod Model with a Singular Nonlocal Potential. <i>Archive for Rational Mechanics and Analysis</i> , 2011, 200, 255-284.	2.4	6
8	A variational characterization of a hyperelastic rod with hard self-contact. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 2011, 74, 5388-5401.	1.1	5
9	Effect of parity on productivity and sustainability of Lotka–Volterra food chains. <i>Journal of Mathematical Biology</i> , 2014, 69, 1609-1626.	1.9	3
10	Approximation of an Elastic Rod with Self-Contact. <i>Journal of Optimization Theory and Applications</i> , 2022, 192, 1001-1021.	1.5	1