

# Shimon Rubin

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

192  
citations

1306789

7  
h-index

1058022

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

256  
citing authors

#	ARTICLE	IF	CITATIONS
1	SERS-based ssDNA composition analysis with inhomogeneous peak broadening and reservoir computing. <i>Applied Physics Letters</i> , 2022, 120, 023701.	1.5	2
2	The effect of DNA bases permutation on surface-enhanced Raman scattering spectrum. <i>Nanophotonics</i> , 2021, 10, 1581-1593.	2.9	3
3	Tunable Bidirectional Electroosmotic Flow for Diffusion-Based Separations. <i>Angewandte Chemie</i> , 2020, 132, 12994-12999.	1.6	3
4	Machine learning for composition analysis of ssDNA using chemical enhancement in SERS. <i>Biomedical Optics Express</i> , 2020, 11, 5092.	1.5	16
5	Subnanometer imaging and controlled dynamical patterning of thermocapillary driven deformation of thin liquid films. <i>Light: Science and Applications</i> , 2019, 8, 77.	7.7	11
6	Nonlinear, tunable, and active optical metasurface with liquid film. <i>Advanced Photonics</i> , 2019, 1, 1.	6.2	22
7	Nonlocal and Nonlinear Surface Plasmon Polaritons and Optical Spatial Solitons Induced by the Thermocapillary Effect. <i>Physical Review Letters</i> , 2018, 120, 243904.	2.9	8
8	Elastic deformations driven by non-uniform lubrication flows. <i>Journal of Fluid Mechanics</i> , 2017, 812, 841-865.	1.4	17
9	Seismic ringing effect in the shallow subsurface. <i>Near Surface Geophysics</i> , 2014, 12, 687-696.	0.6	6
10	Normalized general relativity: Nonclosed universe and a zero cosmological constant. <i>Physical Review D</i> , 2014, 89, .	1.6	8
11	Acceleration of Surface-Based Hybridization Reactions Using Isotachophoretic Focusing. <i>Analytical Chemistry</i> , 2014, 86, 3028-3036.	3.2	78
12	Extensible gravitational Dirac models of the electron. <i>Classical and Quantum Gravity</i> , 2011, 28, 125005.	1.5	2
13	Brane gravitational extension of Dirac's "extensible model of the electron"™. <i>Classical and Quantum Gravity</i> , 2009, 26, 235006.	1.5	4
14	Zero cosmological constant from normalized general relativity. <i>Classical and Quantum Gravity</i> , 2009, 26, 235019.	1.5	12