

# Sunil K Sinha

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2026604/sunil-k-sinha-publications-by-citations.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49  
papers

799  
citations

17  
h-index

27  
g-index

63  
ext. papers

903  
ext. citations

5.4  
avg, IF

3.83  
L-index

#	Paper	IF	Citations
49	Long-range interlayer alignment of intralayer domains in stacked lipid bilayers. <i>Nature Materials</i> , <b>2012</b> , 11, 1074-80	27	91
48	X-ray photon correlation spectroscopy studies of surfaces and thin films. <i>Advanced Materials</i> , <b>2014</b> , 26, 7764-85	24	81
47	Waveguide-enhanced grazing-incidence small-angle x-ray scattering of buried nanostructures in thin films. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	65
46	Real-time evolution of the distribution of nanoparticles in an ultrathin-polymer-film-based waveguide. <i>Physical Review Letters</i> , <b>2005</b> , 94, 145504	7.4	55
45	Demonstration of feasibility of X-ray free electron laser studies of dynamics of nanoparticles in entangled polymer melts. <i>Scientific Reports</i> , <b>2014</b> , 4, 6017	4.9	36
44	Theory of inelastic x-ray scattering from condensed matter. <i>Journal of Physics Condensed Matter</i> , <b>2001</b> , 13, 7511-7523	1.8	36
43	Entanglement effects in capillary waves on liquid polymer films. <i>Physical Review Letters</i> , <b>2008</b> , 101, 246104	7.4	31
42	Cholesterol Partition and Condensing Effect in Phase-Separated Ternary Mixture Lipid Multilayers. <i>Biophysical Journal</i> , <b>2016</b> , 110, 1355-66	2.9	29
41	Observation of a low-viscosity interface between immiscible polymer layers. <i>Physical Review E</i> , <b>2006</b> , 74, 010602	2.4	27
40	Surface Dynamics of Dry Homopolymer Brushes. <i>Macromolecules</i> , <b>2009</b> , 42, 737-741	5.5	25
39	Partial crystallinity in alkyl side chain polymers dictates surface freezing. <i>Physical Review Letters</i> , <b>2008</b> , 101, 065505	7.4	23
38	Measurement of the vortex core in sub-100 nm Fe dots using polarized neutron scattering. <i>Europhysics Letters</i> , <b>2009</b> , 86, 67008	1.6	21
37	X-Ray Fluorescence Correlation Spectroscopy: A Method for Studying Particle Dynamics in Condensed Matter. <i>Physical Review Letters</i> , <b>1998</b> , 80, 1110-1113	7.4	20
36	Monte Carlo and mean-field study of antiferromagnetic ordering in cupric oxides. <i>Physical Review B</i> , <b>1988</b> , 38, 6868-6875	3.3	20
35	Differential adsorption of a membrane skeletal protein, spectrin, in phospholipid membranes. <i>Europhysics Letters</i> , <b>2017</b> , 118, 58002	1.6	19
34	Surface Tension and Surface Roughness of Supported Polystyrene Films. <i>Macromolecules</i> , <b>2003</b> , 36, 5704-5709	5.5	19
33	Concentration and velocity profiles in a polymeric lithium-ion battery electrolyte. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 4312-4321	35.4	17

32	Surface and interfacial dynamics of polymeric bilayer films. <i>Physical Review E</i> , <b>2006</b> , 74, 011603	2.4	16
31	Highly Stable Artificial Cells from Galactopyranose-Derived Single-Chain Amphiphiles. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 17356-17360	16.4	16
30	Surface structure reflectometry with X-rays. <i>Current Opinion in Solid State and Materials Science</i> , <b>1996</b> , 1, 645-652	12	15
29	Lipid sponge droplets as programmable synthetic organelles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 18206-18215	11.5	15
28	Diffuse Neutron Scattering from Surfaces and Interfaces. <i>Materials Research Society Symposia Proceedings</i> , <b>1994</b> , 376, 175		13
27	The impact of synchrotron radiation on nanoscience. <i>Applied Surface Science</i> , <b>2001</b> , 182, 176-185	6.7	12
26	Single-Chain $\beta$ -D-Glycopyranosylamides of Unsaturated Fatty Acids: Self-Assembly Properties and Applications to Artificial Cell Development. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 3711-3720	3.4	11
25	One-Dimensional Anomalous Diffusion of Gold Nanoparticles in a Polymer Melt. <i>Physical Review Letters</i> , <b>2019</b> , 122, 107802	7.4	9
24	Accurate calibration and control of relative humidity close to 100% by X-raying a DOPC multilayer. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 3570-6	3.6	9
23	Resonantly enhanced off-specular X-ray scattering from polymer/polymer interfaces. <i>European Physical Journal E</i> , <b>2005</b> , 17, 353-9	1.5	9
22	Neutron scattering study of the excitation spectrum of solid helium at ultra-low temperatures <b>2008</b> , 71, 673-678		7
21	A multi-slice simulation algorithm for grazing-incidence small-angle X-ray scattering. <i>Journal of Applied Crystallography</i> , <b>2016</b> , 49, 1876-1884	3.8	6
20	Substrate suppression of thermal roughness in stacked supported bilayers. <i>Physical Review E</i> , <b>2011</b> , 84, 041914	2.4	6
19	Complementary neutron and x-ray reflectivity studies of near-frictionless carbon films. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 103538	2.5	6
18	Application of synchrotron radiation techniques to nanoscience. <i>Radiation Physics and Chemistry</i> , <b>2004</b> , 70, 633-640	2.5	5
17	Anomalous partitioning of water in coexisting liquid phases of lipid multilayers near 100% relative humidity. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 1225-32	3.6	4
16	X-ray Photon Correlation Spectroscopy Study on Dynamics of the Free Surface in Entangled Polystyrene Melt Films. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 272, 012003	0.3	4
15	Structural Color Production in Melanin-Based Disordered Colloidal Nanoparticle Assemblies in Spherical Confinement. <i>Advanced Optical Materials</i> , <b>2022</b> , 10, 2102162	8.1	4

14	Structure and dynamics of thin polymer films using synchrotron X-ray scattering. <i>Journal of Applied Crystallography</i> , <b>2007</b> , 40, s18-s22	3.8	3
13	Nanoscale magnetization inhomogeneity within single phase nanopillars. <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	3
12	Effect of surface freezing on meniscus relaxation in side chain comb polymers. <i>Physical Review Letters</i> , <b>2010</b> , 104, 137801	7.4	2
11	Controlling Protein Enrichment in Lipid Sponge Phase Droplets using SNAP-tag Bioconjugation.. <i>ChemBioChem</i> , <b>2021</b> ,	3.8	2
10	Synchrotron studies of lattice distortions and lattice modulations in complex oxides. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , <b>2004</b> , 219, 143-147	1	2
9	Complementary use of neutron and synchrotron X-ray scattering for problems of interest in condensed matter physics. <i>Journal of Physics and Chemistry of Solids</i> , <b>2007</b> , 68, 2048-2051	3.9	1
8	Combined neutron and synchrotron studies of magnetic films <b>2006</b> , 67, 47-55		1
7	Probing dynamics at surfaces with X-rays and neutrons. <i>Journal of Neutron Research</i> , <b>2006</b> , 14, 205-212	0.5	1
6	The Structure of Jahn-Teller Polarons in the Colossal Magnetoresistive Manganites. <i>Fundamental Materials Research</i> , <b>2002</b> , 183-202		1
5	X-Ray Reflectivity and Diffuse Scattering Study of Effect of Ca <sup>2+</sup> on Cushioned Lipid Bilayer. <i>Biophysical Journal</i> , <b>2012</b> , 102, 382a	2.9	
4	Complementary neutron and x-ray reflectivity studies of near-frictionless carbon films. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 123516	2.5	
3	Future science at next generation neutron sources. <i>Physica B: Condensed Matter</i> , <b>2005</b> , 356, 269-275	2.8	
2	Diffuse X-Ray and Neutron Reflection from Surfaces and Interfaces <b>2002</b> , 351-373		
1	Structure of Polymer Chains Confined in Vycor. <i>Materials Research Society Symposia Proceedings</i> , <b>1996</b> , 464, 363		