

Victoria Garcia Sakai

List of Publications by Year in Descending Order

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

71 papers	1,751 citations	22 h-index	40 g-index
79 ext. papers	2,054 ext. citations	4.9 avg, IF	4.71 L-index

#	Paper	IF	Citations
71	Universal dynamical onset in water at distinct material interfaces.. <i>Chemical Science</i> , 2022 , 13, 4341-4351	19.4	0
70	Disentangling water, ion and polymer dynamics in an anion exchange membrane.. <i>Nature Materials</i> , 2022 ,	27	5
69	Q-dependent collective relaxation dynamics of glass-forming liquid CaK(NO) investigated by wide-angle neutron spin-echo.. <i>Nature Communications</i> , 2022 , 13, 2092	17.4	
68	Progress in neutron techniques: towards improved polymer electrolyte membranes for energy devices. <i>Journal of Physics Condensed Matter</i> , 2021 , 33,	1.8	1
67	Microscopic insights on the structural and dynamical aspects of Imidazolium-based surface active ionic liquid micelles. <i>Journal of Molecular Liquids</i> , 2021 , 332, 115722	6	1
66	Octane isomer dynamics in H-ZSM-5 as a function of Si/Al ratio: a quasi-elastic neutron scattering study. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20200063	3	1
65	A New Look into the Mode of Action of Metal-Based Anticancer Drugs. <i>Molecules</i> , 2020 , 25,	4.8	8
64	Intracellular water as a mediator of anticancer drug action. <i>International Reviews in Physical Chemistry</i> , 2020 , 39, 67-81	7	6
63	Heterogeneity of Water Molecules on the Free Surface of Thin Reduced Graphene Oxide Sheets. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 11064-11074	3.8	3
62	Interplay of NH ₄ ⁺ and BH ₄ ⁻ reorientational dynamics in NH ₄ BH ₄ . <i>Physical Review Materials</i> , 2020 , 4,	3.2	6
61	Coherent structural relaxation of water from meso- to intermolecular scales measured using neutron spectroscopy with polarization analysis. <i>Physical Review Research</i> , 2020 , 2,	3.9	8
60	On the crystal structures and phase transitions of hydrates in the binary dimethyl sulfoxide-water system. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020 , 76, 733-748	1.8	4
59	Imidazolium-based ionic liquids cause mammalian cell death due to modulated structures and dynamics of cellular membrane. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020 , 1862, 183103	3.8	36
58	High-resolution neutron spectroscopy using backscattering and neutron spin-echo spectrometers in soft and hard condensed matter. <i>Nature Reviews Physics</i> , 2020 , 2, 103-116	23.6	25
57	Ubiquitin-Derived Peptides Selectively Interact with the Anionic Phospholipid Membrane. <i>Langmuir</i> , 2020 , 36, 397-408	4	11
56	Aquaporin-like water transport in nanoporous crystalline layered carbon nitride. <i>Science Advances</i> , 2020 , 6,	14.3	7
55	Decoupling between the translation and rotation of water in the proximity of a protein molecule. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 18132-18140	3.6	8

54	Diocetadecyldimethylammonium bromide, a surfactant model for the cell membrane: Importance of microscopic dynamics. <i>Structural Dynamics</i> , 2020 , 7, 051301	3.2	5
53	Anomalous sub-diffusion of water in biosystems: From hydrated protein powders to concentrated protein solution to living cells. <i>Structural Dynamics</i> , 2020 , 7, 054703	3.2	2
52	The Effect of an Intramembrane Light-Actuator on the Dynamics of Phospholipids in Model Membranes and Intact Cells. <i>Langmuir</i> , 2020 , 36, 11517-11527	4	8
51	Role of intracellular water in the normal-to-cancer transition in human cells-insights from quasi-elastic neutron scattering. <i>Structural Dynamics</i> , 2020 , 7, 054701	3.2	3
50	Differences between calcium rich and depleted alpha-lactalbumin investigated by molecular dynamics simulations and incoherent neutron scattering. <i>Physical Review E</i> , 2020 , 101, 032415	2.4	3
49	Aggregation States of A, A and Ap Amyloid Beta Peptides: A SANS Study. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	9
48	Modulating proton diffusion and conductivity in metal-organic frameworks by incorporation of accessible free carboxylic acid groups. <i>Chemical Science</i> , 2019 , 10, 1492-1499	9.4	38
47	Anticancer drug impact on DNA - a study by neutron spectroscopy coupled with synchrotron-based FTIR and EXAFS. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 4162-4175	3.6	20
46	Dynamical landscape in DODAB membrane system: MD simulation & neutron scattering studies. <i>Physica B: Condensed Matter</i> , 2019 , 562, 55-58	2.8	2
45	Perovskite solar cell resilience to fast neutrons. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 2561-2566	5.8	21
44	Chemotherapeutic Targets in Osteosarcoma: Insights from Synchrotron-MicroFTIR and Quasi-Elastic Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 6968-6979	3.4	14
43	Unraveling the Role of Monoolein in Fluidity and Dynamical Response of a Mixed Cationic Lipid Bilayer. <i>Langmuir</i> , 2019 , 35, 4682-4692	4	13
42	Polarization analysis on the LET cold neutron spectrometer using a ³ He spin-filter: first results. <i>Journal of Physics: Conference Series</i> , 2019 , 1316, 012007	0.3	3
41	Dynamical Transitions and Diffusion Mechanism in DODAB Bilayer. <i>Scientific Reports</i> , 2018 , 8, 1862	4.9	16
40	Relaxation dynamics of saturated and unsaturated oriented lipid bilayers. <i>Soft Matter</i> , 2018 , 14, 6119-6127	3.7	8
39	Analysis of elastic incoherent neutron scattering data beyond the Gaussian approximation. <i>Journal of Chemical Physics</i> , 2018 , 149, 234908	3.9	10
38	Direct Experimental Characterization of Contributions from Self-Motion of Hydrogen and from Interatomic Motion of Heavy Atoms to Protein Anharmonicity. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 9956-9961	3.4	4
37	Enhancement of Proton Conductivity in Nonporous Metal-Organic Frameworks: The Role of Framework Proton Density and Humidity. <i>Chemistry of Materials</i> , 2018 , 30, 7593-7602	9.6	36

36	Effects of NSAIDs on the Dynamics and Phase Behavior of DODAB Bilayers. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 9962-9972	3.4	5
35	Intracellular water - an overlooked drug target? Cisplatin impact in cancer cells probed by neutrons. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 2702-2713	3.6	25
34	Neutron Radiation Tolerance of Two Benchmark Thiophene-Based Conjugated Polymers: the Importance of Crystallinity for Organic Avionics. <i>Scientific Reports</i> , 2017 , 7, 41013	4.9	37
33	Nanostructuration of ionic liquids: impact on the cation mobility. A multi-scale study. <i>Nanoscale</i> , 2017 , 9, 1901-1908	7.7	18
32	Tuning Fullerene Intercalation in a Poly (thiophene) derivative by Controlling the Polymer Degree of Self-Organisation. <i>Scientific Reports</i> , 2016 , 6, 34609	4.9	13
31	14th Oxford School on Neutron Scattering. <i>Neutron News</i> , 2016 , 27, 10-11	0.4	
30	Neutron polarisation analysis of Polymer:Fullerene blends for organic photovoltaics. <i>Polymer</i> , 2016 , 105, 407-413	3.9	17
29	Anomalous and anisotropic nanoscale diffusion of hydration water molecules in fluid lipid membranes. <i>Soft Matter</i> , 2015 , 11, 8354-71	3.6	28
28	The dynamics of methylammonium ions in hybrid organic-inorganic perovskite solar cells. <i>Nature Communications</i> , 2015 , 6, 7124	17.4	446
27	Report on Dynamics of Molecules and Materials II, Glasgow July 2013. <i>Neutron News</i> , 2014 , 25, 8-9	0.4	
26	13th Oxford School on Neutron Scattering. <i>Neutron News</i> , 2014 , 25, 4-4	0.4	
25	Micro-focused X-ray diffraction characterization of high-quality [6,6]-phenyl-C61-butyric acid methyl ester single crystals without solvent impurities. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 5619	7.1	54
24	Structural and dynamical characterization of P3HT/PCBM blends. <i>Chemical Physics</i> , 2013 , 427, 142-146	2.3	29
23	Solvent effects on protein fast dynamics: implications for biopreservation. <i>Soft Matter</i> , 2013 , 9, 5336	3.6	22
22	Mean squared displacement analysis of an-harmonic behaviour in lyophilised proteins. <i>Chemical Physics</i> , 2013 , 424, 32-36	2.3	4
21	The dynamical landscape in CTAB micelles. <i>Soft Matter</i> , 2012 , 8, 7151	3.6	29
20	Lyophilised protein dynamics: more than just methyls?. <i>Soft Matter</i> , 2012 , 8, 9529	3.6	10
19	Biodegradable dextran based microgels: a study on network associated water diffusion and enzymatic degradation. <i>Soft Matter</i> , 2012 , 8, 2494	3.6	18

18	Dynamical features in cationic micelles of varied chain length. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 9007-15	3.4	19
17	Experimental Techniques for Studies of Dynamics in Soft Materials. <i>Neutron Scattering Applications and Techniques</i> , 2012 , 1-23		1
16	Dynamics of SDS Micelles: Neutron Scattering Study 2011 ,		3
15	Conformational and segmental dynamics in lipid-based vesicles. <i>Soft Matter</i> , 2011 , 7, 3929	3.6	25
14	Thermal motion in the multi-subunit protein, apoferritin, as probed by high energy resolution neutron spectroscopy. <i>Soft Matter</i> , 2011 , 7, 6934	3.6	6
13	Molecular mobility in solid sodium dodecyl sulfate. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 9732-8	3.4	13
12	Internal dynamics in SDS micelles: neutron scattering study. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 17049-56	3.4	38
11	Guide design study for the high-resolution backscattering spectrometer FIRES. <i>Journal of Physics: Conference Series</i> , 2010 , 251, 012063	0.3	2
10	Quasielastic neutron scattering in soft matter. <i>Current Opinion in Colloid and Interface Science</i> , 2009 , 14, 381-390	7.6	82
9	Local polymer dynamics in polymer-C60 mixtures. <i>Nano Letters</i> , 2008 , 8, 1061-5	11.5	83
8	The origin of the dynamic transition in proteins. <i>Journal of Chemical Physics</i> , 2008 , 128, 195106	3.9	146
7	Confinement induces both higher free volume and lower molecular mobility in glycerol. <i>Applied Physics Letters</i> , 2008 , 92, 033109	3.4	28
6	Role of hydration water in dynamics of biological macromolecules. <i>Chemical Physics</i> , 2008 , 345, 212-218	2.3	37
5	A molecular view of melting in anhydrous phospholipidic membranes. <i>Biophysical Journal</i> , 2007 , 92, 147-61	6.1	52
4	Dynamics of water in the Na _{0.3} CoO ₂ ·1.4H ₂ O superconductor. <i>Physical Review B</i> , 2007 , 75,	3.3	6
3	Composition Dependence of Segmental Dynamics of Poly(methyl methacrylate) in Miscible Blends with Poly(ethylene oxide). <i>Macromolecules</i> , 2006 , 39, 2866-2874	5.5	21
2	Miscible blend dynamics and the length scale of local compositions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005 , 43, 2914-2923	2.6	34
1	Effect of Blending with Poly(ethylene oxide) on the Dynamics of Poly(methyl methacrylate): A Quasi-Elastic Neutron Scattering Approach. <i>Macromolecules</i> , 2004 , 37, 9975-9983	5.5	51

