

Gergely Nagy

List of Publications by Year in descending order

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41
papers

1,197
citations

430874

18
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377865

34
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44
all docs

44
docs citations

44
times ranked

1826
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutron scattering maps the higher-order assembly of NADPH-dependent assimilatory sulfite reductase. <i>Biophysical Journal</i> , 2022, 121, 1799-1812.	0.5	3
2	Neutron scattering in photosynthesis research: recent advances and perspectives for testing crop plants. <i>Photosynthesis Research</i> , 2021, 150, 41-49.	2.9	8
3	Small-angle neutron scattering solution structures of NADPH-dependent sulfite reductase. <i>Journal of Structural Biology</i> , 2021, 213, 107724.	2.8	10
4	Salt Stress Induces Paramylon Accumulation and Fine-Tuning of the Macro-Organization of Thylakoid Membranes in <i>Euglena gracilis</i> Cells. <i>Frontiers in Plant Science</i> , 2021, 12, 725699.	3.6	5
5	The instrument suite of the European Spallation Source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 957, 163402.	1.6	90
6	Similarities and Differences in the Effects of Toxic Concentrations of Cadmium and Chromium on the Structure and Functions of Thylakoid Membranes in <i>Chlorella variabilis</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 1006.	3.6	15
7	Thylakoid membrane reorganizations revealed by small-angle neutron scattering of <i>Monstera deliciosa</i> leaves associated with non-photochemical quenching. <i>Open Biology</i> , 2020, 10, 200144.	3.6	9
8	Role of Protein-Water Interface in the Stacking Interactions of Granum Thylakoid Membranes As Revealed by the Effects of Hofmeister Salts. <i>Frontiers in Plant Science</i> , 2020, 11, 1257.	3.6	12
9	Broken time-reversal symmetry in the topological superconductor UPt ₃ . <i>Nature Physics</i> , 2020, 16, 531-535.	16.7	41
10	Evolution of magnetocrystalline anisotropies in Mn_2P and Mn_2Si . <i>Physical Review B</i> , 2020, 101, .	3.2	15
11	Neutron macromolecular crystallography at the European spallation source. <i>Methods in Enzymology</i> , 2020, 634, 125-151.	1.0	3
12	Deformation of the moving magnetic skyrmion lattice in MnSi under electric current flow. <i>Communications Physics</i> , 2019, 2, .	5.3	18
13	Effects of selenate and red Se-nanoparticles on the photosynthetic apparatus of <i>Nicotiana tabacum</i> . <i>Photosynthesis Research</i> , 2019, 139, 449-460.	2.9	38
14	Scaling the Graft Length and Graft Density of Irradiation Grafted Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800311.	2.2	3
15	High Hydrostatic Pressure Induces a Lipid Phase Transition and Molecular Rearrangements in Low-Density Lipoprotein Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800149.	2.3	2
16	Calibration of the Suanni small-angle neutron scattering instrument at the China Mianyang Research Reactor. <i>Journal of Applied Crystallography</i> , 2018, 51, 1662-1670.	4.5	9
17	Low-pH induced reversible reorganizations of chloroplast thylakoid membranes As revealed by small-angle neutron scattering. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 360-365.	1.0	13
18	Neutron diffraction from superparamagnetic colloidal crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 110, 234-240.	4.0	3

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19	Characterization of Comb-Shaped Copolymers by Multidetector SEC, DLS and SANS. <i>Polymers</i> , 2017, 9, 61.	4.5	22
20	A voltage-dependent chloride channel fine-tunes photosynthesis in plants. <i>Nature Communications</i> , 2016, 7, 11654.	12.8	122
21	Radiation Grafted Ion-Conducting Membranes: The Influence of Variations in Base Film Nanostructure. <i>Macromolecules</i> , 2016, 49, 4253-4264.	4.8	32
22	Structure-property correlations of ion-containing polymers for fuel cell applications. <i>Radiation Physics and Chemistry</i> , 2016, 118, 120-123.	2.8	3
23	Publisher's Note: Dynamic Reorganization of Vortex Matter into Partially Disordered Lattices [<i>Phys. Rev. Lett.</i> 115, 067001 (2015)]. <i>Physical Review Letters</i> , 2015, 115, .	7.8	1
24	The Arabidopsis thylakoid transporter PHT4;1 influences phosphate availability for ATP synthesis and plant growth. <i>Plant Journal</i> , 2015, 84, 99-110.	5.7	59
25	Multifunctional layered magnetic composites. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 134-148.	2.8	22
26	Dynamic Reorganization of Vortex Matter into Partially Disordered Lattices. <i>Physical Review Letters</i> , 2015, 115, 067001.	7.8	20
27	Nodal gap structure and order parameter symmetry of the unconventional superconductor $U\text{Pt}_3$. <i>New Journal of Physics</i> , 2015, 17, 023041.	2.9	21
28	Growth Behavior, Geometrical Shape, and Second CMC of Micelles Formed by Cationic Gemini Esterquat Surfactants. <i>Langmuir</i> , 2015, 31, 4644-4653.	3.5	36
29	Chloroplast remodeling during state transitions in <i>Chlamydomonas reinhardtii</i> as revealed by noninvasive techniques in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5042-5047.	7.1	127
30	The ultrastructure and flexibility of thylakoid membranes in leaves and isolated chloroplasts as revealed by small-angle neutron scattering. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1572-1580.	1.0	45
31	Electric-Field-Induced Skyrmion Distortion and Giant Lattice Rotation in the Magnetoelectric Insulator Cu_2MnF_4 . <i>Physical Review Letters</i> , 2014, 113, 107203.	7.8	169
32	A compact time-of-flight SANS instrument optimised for measurements of small sample volumes at the European Spallation Source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 764, 133-141.	1.6	9
33	Monitoring thylakoid ultrastructural changes in vivo using small-angle neutron scattering. <i>Plant Physiology and Biochemistry</i> , 2014, 81, 197-207.	5.8	18
34	Kinetics of structural reorganizations in multilamellar photosynthetic membranes monitored by small-angle neutron scattering. <i>European Physical Journal E</i> , 2013, 36, 69.	1.6	30
35	Hofmeister ions control protein dynamics. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4564-4572.	2.4	12
36	Small-angle neutron scattering study of the ultrastructure of chloroplast thylakoid membranes: Periodicity and structural flexibility of the stroma lamellae. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1220-1228.	1.0	17

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37	Modulation of the multilamellar membrane organization and of the chiral macrodomains in the diatom <i>Phaeodactylum tricornutum</i> revealed by small-angle neutron scattering and circular dichroism spectroscopy. <i>Photosynthesis Research</i> , 2012, 111, 71-79.	2.9	28
38	Dynamic properties of photosystem II membranes at physiological temperatures characterized by elastic incoherent neutron scattering. Increased flexibility associated with the inactivation of the oxygen evolving complex. <i>Photosynthesis Research</i> , 2012, 111, 113-124.	2.9	17
39	Reversible membrane reorganizations during photosynthesis in vivo: revealed by small-angle neutron scattering. <i>Biochemical Journal</i> , 2011, 436, 225-230.	3.7	69
40	Effect of phosphorylation on the thermal and light stability of the thylakoid membranes. <i>Photosynthesis Research</i> , 2009, 99, 161-171.	2.9	21
41	Single-step growth of InP/InGaAsP buried stripe MQW lasers on structured InP substrate. , 0, , .		0