

# Gergely Nagy

## List of Publications by Year in descending order

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41  
papers

1,197  
citations

430874

18  
h-index

377865

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g-index

44  
all docs

44  
docs citations

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times ranked

1826  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric-Field-Induced Skyrmion Distortion and Giant Lattice Rotation in the Magnetoelectric Insulator $\text{Cu}_2\text{MnGe}$ . Physical Review Letters, 2014, 113, 107203.	7.8	169
2	Chloroplast remodeling during state transitions in <i>Chlamydomonas reinhardtii</i> as revealed by noninvasive techniques in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5042-5047.	7.1	127
3	A voltage-dependent chloride channel fine-tunes photosynthesis in plants. Nature Communications, 2016, 7, 11654.	12.8	122
4	The instrument suite of the European Spallation Source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 957, 163402.	1.6	90
5	Reversible membrane reorganizations during photosynthesis in vivo: revealed by small-angle neutron scattering. Biochemical Journal, 2011, 436, 225-230.	3.7	69
6	The Arabidopsis thylakoid transporter PHT4;1 influences phosphate availability for ATP synthesis and plant growth. Plant Journal, 2015, 84, 99-110.	5.7	59
7	The ultrastructure and flexibility of thylakoid membranes in leaves and isolated chloroplasts as revealed by small-angle neutron scattering. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1572-1580.	1.0	45
8	Broken time-reversal symmetry in the topological superconductor UPt <sub>3</sub> . Nature Physics, 2020, 16, 531-535.	16.7	41
9	Effects of selenate and red Se-nanoparticles on the photosynthetic apparatus of Nicotiana tabacum. Photosynthesis Research, 2019, 139, 449-460.	2.9	38
10	Growth Behavior, Geometrical Shape, and Second CMC of Micelles Formed by Cationic Gemini Esterquat Surfactants. Langmuir, 2015, 31, 4644-4653.	3.5	36
11	Radiation Grafted Ion-Conducting Membranes: The Influence of Variations in Base Film Nanostructure. Macromolecules, 2016, 49, 4253-4264.	4.8	32
12	Kinetics of structural reorganizations in multilamellar photosynthetic membranes monitored by small-angle neutron scattering. European Physical Journal E, 2013, 36, 69.	1.6	30
13	Modulation of the multilamellar membrane organization and of the chiral macrodomains in the diatom Phaeodactylum tricornutum revealed by small-angle neutron scattering and circular dichroism spectroscopy. Photosynthesis Research, 2012, 111, 71-79.	2.9	28
14	Multifunctional layered magnetic composites. Beilstein Journal of Nanotechnology, 2015, 6, 134-148.	2.8	22
15	Characterization of Comb-Shaped Copolymers by Multidetector SEC, DLS and SANS. Polymers, 2017, 9, 61.	4.5	22
16	Effect of phosphorylation on the thermal and light stability of the thylakoid membranes. Photosynthesis Research, 2009, 99, 161-171.	2.9	21
17	Nodal gap structure and order parameter symmetry of the unconventional superconductor UPt <sub>3</sub> . New Journal of Physics, 2015, 17, 023041.	2.9	21
18	Dynamic Reorganization of Vortex Matter into Partially Disordered Lattices. Physical Review Letters, 2015, 115, 067001.	7.8	20

#	ARTICLE	IF	CITATIONS
19	Monitoring thylakoid ultrastructural changes in vivo using small-angle neutron scattering. <i>Plant Physiology and Biochemistry</i> , 2014, 81, 197-207.	5.8	18
20	Deformation of the moving magnetic skyrmion lattice in MnSi under electric current flow. <i>Communications Physics</i> , 2019, 2, .	5.3	18
21	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
22	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
23	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
24	Evolution of magnetocrystalline anisotropies in $Mn$ and $Mn$ . <i>Physical Review B</i> , 2020, 101, .	3.2	15
25	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
26	Hofmeister ions control protein dynamics. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4564-4572.	2.4	12
27	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
28	Small-angle neutron scattering solution structures of NADPH-dependent sulfite reductase. <i>Journal of Structural Biology</i> , 2021, 213, 107724.	2.8	10
29	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
30	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
31	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
32	Neutron scattering in photosynthesis research: recent advances and perspectives for testing crop plants. <i>Photosynthesis Research</i> , 2021, 150, 41-49.	2.9	8
33	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
34	Structure – property correlations of ion-containing polymers for fuel cell applications. <i>Radiation Physics and Chemistry</i> , 2016, 118, 120-123.	2.8	3
35	Neutron diffraction from superparamagnetic colloidal crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 110, 234-240.	4.0	3
36	Scaling the Graft Length and Graft Density of Irradiation – Grafted Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800311.	2.2	3

#	ARTICLE	IF	CITATIONS
37	Neutron macromolecular crystallography at the European spallation source. <i>Methods in Enzymology</i> , 2020, 634, 125-151.	1.0	3
38	Neutron scattering maps the higher-order assembly of NADPH-dependent assimilatory sulfite reductase. <i>Biophysical Journal</i> , 2022, 121, 1799-1812.	0.5	3
39	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
40	Publisher's Note: Dynamic Reorganization of Vortex Matter into Partially Disordered Lattices [Phys. Rev. Lett. 115, 067001 (2015)]. <i>Physical Review Letters</i> , 2015, 115, .	7.8	1
41	Single-step growth of InP/InGaAsP buried stripe MQW lasers on structured InP substrate. , 0, , .		0