

# Szilárd Sajti

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

191  
citations

1162367

8  
h-index

1125271

13  
g-index

25  
all docs

25  
docs citations

25  
times ranked

240  
citing authors

#	ARTICLE	IF	CITATIONS
1	GM1 Ganglioside role in the interaction of Alpha-synuclein with lipid membranes: Morphology and structure. <i>Biophysical Chemistry</i> , 2019, 255, 106272.	1.5	38
2	Saturation effect in azobenzene polymers used for polarization holography. <i>Applied Physics B: Lasers and Optics</i> , 2003, 76, 397-402.	1.1	22
3	GINA – A polarized neutron reflectometer at the Budapest Neutron Centre. <i>Review of Scientific Instruments</i> , 2013, 84, 015112.	0.6	19
4	Simulation of erasure of photoinduced anisotropy by circularly polarized light. <i>Optics Communications</i> , 2001, 194, 435-442.	1.0	17
5	Reversible control of magnetism in FeRh thin films. <i>Scientific Reports</i> , 2020, 10, 13923.	1.6	14
6	Modification of local order in FePd films by low energy He+ irradiation. <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	12
7	A secure data storage system based on phase-encoded thin polarization holograms. <i>Journal of Optics</i> , 2004, 6, 401-411.	1.5	11
8	Response function for the characterization of photo-induced anisotropy in azobenzene containing polymers. <i>Applied Physics B: Lasers and Optics</i> , 2002, 75, 677-685.	1.1	10
9	<title>Rewritable azobenzene polyester for polarization holographic data storage</title> . , 2000, 4149, 324.		6
10	Isotope-periodic multilayer method for short self-diffusion paths – a comparative neutron and synchrotron Mössbauer reflectometric study of FePd alloys. <i>Journal of Physics: Conference Series</i> , 2010, 211, 012029.	0.3	6
11	Roughness replication in neutron supermirrors. <i>Journal of Applied Crystallography</i> , 2017, 50, 184-191.	1.9	6
12	HERITAGE: the concept of a giant flux neutron reflectometer for the exploration of 3-d structure of free-liquid and solid interfaces in thin films. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 841, 34-46.	0.7	6
13	Polarization holographic data storage using azobenzene polyester as storage material. , 2003, , .		4
14	Precision structural diagnostics of layered superconductor/ferromagnet nanosystems V/Fe by reflectometry and diffuse scattering of synchrotron radiation. <i>Crystallography Reports</i> , 2011, 56, 858-865.	0.1	3
15	Higher harmonics suppression in Fe/Si polarizing neutron monochromators. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 704, 92-97.	0.7	3
16	Asymmetric alloy formation at the Fe-on-Ti and Ti-on-Fe interfaces. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 455001.	0.7	3
17	Alloy formation at the Fe-on-Nb and Nb-on-Fe interfaces. <i>Vacuum</i> , 2020, 171, 109048.	1.6	3
18	Description of photoinduced anisotropy in azobenzene side-chain polyesters. <i>Synthetic Metals</i> , 2003, 138, 79-83.	2.1	2

#	ARTICLE	IF	CITATIONS
19	Angular dependence, blackness and polarization effects in integral conversion electron Mössbauer spectroscopy. Nuclear Instruments & Methods in Physics Research B, 2015, 342, 62-69.	0.6	2
20	Dynamic behavior of azobenzene polyester used for holographic data storage. Materials Research Society Symposia Proceedings, 2001, 674, 1.	0.1	1
21	Electron proportional gas counter for linear and elliptical Mössbauer polarimetry. Review of Scientific Instruments, 2010, 81, 023302.	0.6	1
22	Controlling Exchange Coupling Strength in Ni x Cu <sup>1-x</sup> Thin Films. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1957-1961.	0.8	1
23	In situ study of electric field controlled ion transport in the Fe/BaTiO <sub>3</sub> interface. Materials Research Express, 2018, 5, 016405.	0.8	1
24	Realizing total reciprocity violation in the phase for photon scattering. Scientific Reports, 2017, 7, 43114.	1.6	0
25	Self-Diffusion in <sup>57</sup> Fe/natFe Multilayers by In Situ Neutron Reflectometry. Journal of Surface Investigation, 2020, 14, S1-S4.	0.1	0