

Andrzej Andrejczuk

List of Publications by Year in descending order

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52
papers

878
citations

394421

19
h-index

477307

29
g-index

53
all docs

53
docs citations

53
times ranked

898
citing authors

#	ARTICLE	IF	CITATIONS
1	X-ray focusing with efficient high-NA multilayer Laue lenses. <i>Light: Science and Applications</i> , 2018, 7, 17162-17162.	16.6	114
2	High numerical aperture multilayer Laue lenses. <i>Scientific Reports</i> , 2015, 5, 9892.	3.3	89
3	Magnetic Compton scattering study of $Ni_{2+x}Mn_{1-x}$ ferromagnetic shape-memory alloys. <i>Physical Review B</i> , 2007, 75, .	3.2	45
4	Total reflection amorphous carbon mirrors for vacuum ultraviolet free electron lasers. <i>Applied Physics Letters</i> , 2004, 84, 657-659.	3.3	43
5	Conductors, semiconductors, and insulators irradiated with short-wavelength free-electron laser. <i>Journal of Applied Physics</i> , 2007, 101, 043107.	2.5	43
6	Fabrication of wedged multilayer Laue lenses. <i>Optical Materials Express</i> , 2015, 5, 748.	3.0	41
7	Ion hydration studied by x-ray Compton scattering. <i>Physical Review B</i> , 2006, 73, .	3.2	32
8	Elliptical hole pockets in the Fermi surfaces of unhydrated and hydrated sodium cobalt oxides. <i>Physical Review B</i> , 2007, 76, .	3.2	32
9	Ablation of various materials with intense XUV radiation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003, 507, 577-581.	1.6	27
10	Compton scattering study of water versus ice: Intra- and intermolecular structure. <i>Physical Review E</i> , 2006, 74, 031503.	2.1	27
11	Influence of excitation density on luminescence decay in $Y_3Al_5O_{12}:Ce$ and BaF_2 crystals excited by free electron laser radiation in VUV. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005, 2, 649-652.	0.8	26
12	Isotope quantum effects in the electron momentum density of water. <i>Journal of Chemical Physics</i> , 2007, 126, 154508.	3.0	25
13	Saturated ablation in metal hydrides and acceleration of protons and deuterons to keV energies with a soft-x-ray laser. <i>Physical Review E</i> , 2011, 83, 016403.	2.1	24
14	Influence of imperfections in a wedged multilayer Laue lens for the focusing of X-rays investigated by beam propagation method. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 364, 60-64.	1.4	23
15	A spectrometer for Compton scattering studies of heavy elements and the problem of bremsstrahlung background. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1993, 337, 133-144.	1.6	22
16	XUV-laser induced ablation of PMMA with nano-, pico-, and femtosecond pulses. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005, 144-147, 929-932.	1.7	21
17	Short-wavelength ablation of molecular solids: pulse duration and wavelength effects. <i>Journal of Micro/Nanolithography, MEMS, and MOEMS</i> , 2005, 4, 033007.	0.9	21
18	Spin-dependent electron momentum densities in studied by Compton scattering. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 10993-11005.	1.8	20

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19	Compton study of Ni ₇₅ Cu ₂₅ and Ni ₇₅ Co ₂₅ disordered alloys: Theory and experiment. <i>Physical Review B</i> , 1998, 57, 314-323.	3.2	19
20	Experimental station to study the interaction of intense femtosecond vacuum ultraviolet pulses with matter at TTF1 free electron laser. <i>Review of Scientific Instruments</i> , 2005, 76, 013909.	1.3	17
21	Saturation of a Ce:Y ₃ Al ₅ O ₁₂ scintillator response to ultra-short pulses of extreme ultraviolet soft X-ray and X-ray laser radiation. <i>Optical Materials Express</i> , 2017, 7, 665.	3.0	17
22	Directional Compton profiles of silver. <i>Physical Review B</i> , 1993, 48, 15552-15560.	3.2	12
23	Structure modifications in silicon irradiated by ultra-short pulses of XUV free electron laser. <i>Journal of Alloys and Compounds</i> , 2004, 382, 264-270.	5.5	11
24	Compton scattering studies of charge transfer in Fe-Ni-B amorphous alloys. <i>Journal of Physics Condensed Matter</i> , 1992, 4, 2735-2745.	1.8	9
25	Electron momentum density of hexagonal cadmium studied by Compton scattering. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 1849-1858.	1.5	9
26	Electron Momentum Density of Hexagonal Magnesium Studied by Compton Scattering. <i>Solid State Phenomena</i> , 2006, 112, 123-132.	0.3	9
27	The role of single element errors in planar parabolic compound refractive lenses. <i>Journal of Synchrotron Radiation</i> , 2010, 17, 616-623.	2.4	9
28	A planar parabolic refractive nickel lens for high-energy X-rays. <i>Journal of Synchrotron Radiation</i> , 2014, 21, 57-60.	2.4	9
29	Ablation of Organic Polymers and Elemental Solids Induced by Intense XUV Radiation. <i>AIP Conference Proceedings</i> , 2002, , .	0.4	8
30	TOF-OFF: A method for determining focal positions in tightly focused free-electron laser experiments by measurement of ejected ions. <i>High Energy Density Physics</i> , 2011, 7, 336-342.	1.5	8
31	Spin-dependent electron momentum density in Fe ₃ Si and Fe ₃ Al. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 7229-7241.	1.8	7
32	Electron momentum density of hexagonal zinc studied by Compton scattering. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 11597-11606.	1.8	7
33	On the preferential location of Co in. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 5317-5324.	1.8	5
34	Compton Scattering Study of the Electron Momentum Density for Bismuth Single Crystal. <i>Physica Status Solidi (B): Basic Research</i> , 2000, 217, 903-910.	1.5	5
35	Compton Profile Study and Electron Momentum Density Reconstruction in Hexagonal Mg. <i>Journal of the Physical Society of Japan</i> , 2013, 82, 074702.	1.6	5
36	Structural changes at solid surfaces irradiated with femtosecond, intense XUV pulses generated by TTF-FEL. , 2003, , II-77-II-78.		4

#	ARTICLE	IF	CITATIONS
37	A Compound Refractive Lens for 175 keV X-rays. AIP Conference Proceedings, 2007, , .	0.4	4
38	A need for high-resolution Compton scattering study of hcp metals with the use of synchrotron radiation. Nuclear Instruments & Methods in Physics Research B, 2007, 255, 395-398.	1.4	4
39	One dimensional focusing with high numerical aperture multilayer Laue lens. AIP Conference Proceedings, 2016, , .	0.4	4
40	Electron momentum density of hexagonal Zn studied by high-resolution Compton scattering. Journal of Synchrotron Radiation, 2021, 28, 188-195.	2.4	4
41	A high-resolution Compton scattering study of hexagonal zinc. Journal of Alloys and Compounds, 2004, 362, 314-317.	5.5	3
42	Electron momentum density of hexagonal magnesium studied by high-resolution Compton scattering. Radiation Physics and Chemistry, 2009, 78, S137-S139.	2.8	3
43	Electronic structure of Mg studied by Compton scattering. Physica Status Solidi (B): Basic Research, 2011, 248, 719-724.	1.5	3
44	The impact of transmission-emission misregistration on the interpretation of SPET/CT myocardial perfusion studies and the value of misregistration correction. Hellenic Journal of Nuclear Medicine, 2015, 18, 114-21.	0.3	3
45	Short-wavelength ablation of solids: pulse duration and wavelength effects. , 2004, 5534, 95.		2
46	Magnetic Form Factor of Nickel Determined by White Beam X-Ray Diffraction. Journal of X-Ray Science and Technology, 1992, 3, 300-310.	1.0	1
47	Electron momentum density in Ni ₇₅ Cu ₂₅ and Ni ₇₅ Co ₂₅ disordered alloys: a high-resolution Compton-scattering study. Journal of Physics Condensed Matter, 2005, 17, 6425-6434.	1.8	1
48	High transmission Ni compound refractive lens for high energy X-rays. Review of Scientific Instruments, 2016, 87, 085106.	1.3	1
49	A Compton Scattering Study of Charge Transfer in Cr-Fe-Mn Alloys. Zeitschrift Fur Physikalische Chemie, 2001, 215, .	2.8	0
50	Comparing ablation induced by fs, ps, and ns XUV-laser pulses. , 2004, , .		0
51	Spin-polarized electron momentum density in. Physica B: Condensed Matter, 2006, 378-380, 1156-1157.	2.7	0
52	Investigation of Electronic Structure of Zn _{1-x} Mg _x Mixed Crystals by Compton Spectroscopy Method. Acta Physica Polonica A, 1996, 90, 907-910.	0.5	0