Tomasz KoÅ‚odziej

List of Publications by Year
in descending order

22	255	1163117 8	940533 16
papers	citations	h-index	g-index

24	24	24	403
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synchrotron x-ray scattering study of charge-density-wave order in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>HgBa</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>CuO_{4+δ}. Physical Review B, 2017, 96, .	3.2	62
2	Parabolic single-crystal diamond lenses for coherent x-ray imaging. Applied Physics Letters, 2015, 107, .	3.3	51
3	Diamond drumhead crystals for X-ray optics applications. Journal of Applied Crystallography, 2016, 49, 1240-1244.	4.5	24
4	Nuclear inelastic scattering studies of lattice dynamics in magnetite with a first- and second-order Verwey transition. Physical Review B, 2012, 85, .	3.2	19
5	Curved diamond-crystal spectrographs for x-ray free-electron laser noninvasive diagnostics. Review of Scientific Instruments, 2016, 87, 125117.	1.3	14
6	Efficiency and coherence preservation studies of Be refractive lenses for XFELO application. Journal of Synchrotron Radiation, 2018, 25, 354-360.	2.4	12
7	Easy axis switching in magnetite. Journal of Physics: Conference Series, 2011, 303, 012106.	0.4	10
8	Effect of surface polishing and oxidization induced strain on electronic order at the Verwey transition in Fe3O4. Journal of Physics Condensed Matter, 2013, 25, 055603.	1.8	9
9	Nuclear forward scattering and first-principles studies of the iron oxide phase<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">Fe</mml:mi></mml:mrow><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mn>5</mml:mn></mml:msub></mml:math>. Physical Review B, 2014, 90, .	3.2	8
10	High Bragg reflectivity of diamond crystals exposed to multi-kWâ€…mm^{â”2} X-ray beams. Journal of Synchrotron Radiation, 2018, 25, 1022-1029.	2.4	8
11	Trimeron-phonon coupling in magnetite. Physical Review B, 2021, 103, .	3.2	8
12	Magnetoresistance in magnetite: Switching of the magnetic easy axis. Journal of Alloys and Compounds, 2009, 480, 128-130.	5.5	7
13	Magnetic field induced structural changes in magnetite observed by resonant x-ray diffraction and MÃ¶ssbauer spectroscopy. Physical Review B, 2020, 102, .	3.2	6
14	Charge rearrangement in magnetite: from magnetic field induced easy axis switching to femtoseconds electronic processes. Philosophical Magazine, 2015, 95, 633-648.	1.6	5
15	Diamond channel-cut crystals for high-heat-load beam-multiplexing narrow-band X-ray monochromators. Journal of Synchrotron Radiation, 2021, 28, 1720-1728.	2.4	4
16	Single-grating Talbot imaging for wavefront sensing and x-ray metrology. , 2017, , .		4
17	Magnetostriction of First and Second Order Magnetite Samples and its Relation to the Magnetic Easy Axis Switching. Solid State Phenomena, 0, 194, 120-123.	0.3	2
18	XFELO Scientific Opportunities Retreat. Synchrotron Radiation News, 2016, 29, 31-33.	0.8	1

#	Article	IF	Citations
19	Parabolic single-crystal diamond compound refractive lenses for coherent x-ray imaging (Conference) Tj ETQq1 1 0.784314 rgBT /Ove		0
20	Bent diamond-crystal x-ray spectrographs for x-ray free-electron laser noninvasive diagnostics. Proceedings of SPIE, 2016, , .	0.8	0
21	Diamond drumhead crystals (Conference Presentation). , 2016, , .		0
22	Diamond channel-cut crystals (Conference Presentation). , 2018, , .		0