

# Masahiro Ohtsuka

## List of Publications by Year in descending order

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16  
papers

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times ranked

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#	ARTICLE	IF	CITATIONS
1	<i>Recipro</i> : free and open-source multipurpose crystallographic software integrating a crystal model database and viewer, diffraction and microscopy simulators, and diffraction data analysis tools. <i>Journal of Applied Crystallography</i> , 2022, 55, 397-410.	4.5	42
2	Automating ALCHEMI at the nano-scale using software compatible with PC-controlled transmission electron microscopy. <i>Journal of Applied Crystallography</i> , 2022, 55, 551-557.	4.5	0
3	Core-Shell Double Doping of Zn and Ca on $\text{Ga}_2\text{O}_3$ Photocatalysts for Remarkable Water Splitting. <i>ACS Catalysis</i> , 2021, 11, 1911-1919.	11.2	28
4	2D $\mu$ -EXAFS analysis of dopant and oxygen vacancy sites in Al-doped yttrium titanate. <i>Journal of the American Ceramic Society</i> , 2021, 104, 3760-3769.	3.8	3
5	Structural and chemical modifications of oxides and OH generation by space weathering: Electron microscopic/spectroscopic study of hydrogen-ion-irradiated $\text{Al}_2\text{O}_3$ . <i>Geochimica Et Cosmochimica Acta</i> , 2021, 315, 61-72.	3.9	1
6	Formation of ultra-thin $\text{Ge}_{1-x}\text{Sn}_x/\text{Ge}_{1-x}\text{Si}_x\text{Sn}_y$ quantum heterostructures and their electrical properties for realizing resonant tunneling diode. <i>Applied Physics Letters</i> , 2020, 117, 232104.	3.3	1
7	Proposal for Measuring Magnetism with Patterned Apertures in a Transmission Electron Microscope. <i>Physical Review Letters</i> , 2019, 122, 037201.	7.8	7
8	Recent Development of Quantitative Microanalysis Method Based on Electron Channeling Effects in Crystalline Materials. <i>Materia Japan</i> , 2019, 58, 73-76.	0.1	1
9	High-precision quantitative atomic-site-analysis of functional dopants in crystalline materials by electron-channelling-enhanced microanalysis. <i>Progress in Crystal Growth and Characterization of Materials</i> , 2017, 63, 40-61.	4.0	6
10	Localization of magnetic circular dichroic spectra in transmission electron microscopy experiments with atomic plane resolution. <i>Physical Review B</i> , 2017, 95, .	3.2	9
11	Unmixing hyperspectral data by using signal subspace sampling. <i>Ultramicroscopy</i> , 2017, 182, 205-211.	1.9	13
12	Quantitative determination of occupation sites of trace Co substituted for multiple Fe sites in M-type hexagonal ferrite using statistical beam-rocking TEM-EDXS analysis. <i>Microscopy (Oxford, England)</i> , 2016, 65, 127-137.	1.5	9
13	Bloch wave simulations in the frozen lattice approximation. <i>Ultramicroscopy</i> , 2013, 135, 16-23.	1.9	5
14	Nonlocality in spherical-aberration-corrected HAADF STEM images. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2013, 69, 289-296.	0.3	5
15	Imaging of light and heavy atomic columns by spherical aberration corrected middle-angle bright-field STEM. <i>Ultramicroscopy</i> , 2012, 120, 48-55.	1.9	21
16	Many-beam dynamical simulation for multilayer structures without a superlattice cell. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2009, 65, 135-140.	0.3	7