

# Malik M Abdullah

## List of Publications by Year in descending order

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1478505

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docs citations

9  
times ranked

282  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural dynamics in proteins induced by and probed with X-ray free-electron laser pulses. Nature Communications, 2020, 11, 1814.	12.8	57
2	Atomic-Scale Visualization of Ultrafast Bond Breaking in X-Ray-Excited Diamond. Physical Review Letters, 2021, 126, 117403.	7.8	30
3	Calculation of x-ray scattering patterns from nanocrystals at high x-ray intensity. Structural Dynamics, 2016, 3, 054101.	2.3	12
4	Limitations of Structural Insight into Ultrafast Melting of Solid Materials with X-ray Diffraction Imaging. Applied Sciences (Switzerland), 2021, 11, 5157.	2.5	12
5	Molecular-dynamics approach for studying the nonequilibrium behavior of x-ray-heated solid-density matter. Physical Review E, 2017, 96, 023205.	2.1	10
6	Transient ionization potential depression in nonthermal dense plasmas at high x-ray intensity. Physical Review E, 2021, 103, 023203.	2.1	7
7	Towards the theoretical limitations of X-ray nanocrystallography at high intensity: the validity of the effective-form-factor description. IUCr, 2018, 5, 699-705.	2.2	2
8	Spatial beam profile-induced effects in x-ray scattering pattern at high intensity. Journal of Physics: Conference Series, 2015, 635, 102008.	0.4	1
9	Ultrafast x-ray-driven phenomena in nanocrystals: development and application of powerful simulation tools. EPJ Web of Conferences, 2019, 205, 05022.	0.3	0