

# Kento Katagiri

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1874982/publications.pdf>

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18  
papers

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1163117

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docs citations

20  
times ranked

204  
citing authors

#	ARTICLE	IF	CITATIONS
1	Micron-scale phenomena observed in a turbulent laser-produced plasma. Nature Communications, 2021, 12, 2679.	12.8	17
2	Advanced high resolution x-ray diagnostic for HEDP experiments. Scientific Reports, 2018, 8, 16407.	3.3	16
3	Shock Response of Full Density Nanopolycrystalline Diamond. Physical Review Letters, 2020, 125, 185701.	7.8	15
4	Ultrafast anisotropic disordering in graphite driven by intense hard X-ray pulses. High Energy Density Physics, 2019, 32, 63-69.	1.5	13
5	Using Diffuse Scattering to Observe X-Ray-Driven Nonthermal Melting. Physical Review Letters, 2021, 126, 015703.	7.8	10
6	Ultrafast olivine-ringwoodite transformation during shock compression. Nature Communications, 2021, 12, 4305.	12.8	9
7	Development of new diagnostics based on LiF detector for pump-probe experiments. Matter and Radiation at Extremes, 2018, 3, 197-206.	3.9	8
8	Evidence of shock-compressed stishovite above 300â€‰GPa. Scientific Reports, 2020, 10, 10197.	3.3	8
9	Optical properties of shock-compressed diamond up to 550 GPa. Physical Review B, 2020, 101, .	3.2	6
10	Liquid Structure of Tantalum under Internal Negative Pressure. Physical Review Letters, 2021, 126, 175503.	7.8	6
11	Hugoniot equation-of-state and structure of laser-shocked polyimide	3.2	4
12	Shock Hugoniot Data for Water up to 5 Mbar Obtained with Quartz Standard at High-Energy Laser Facilities. Laser and Particle Beams, 2021, 2021, .	1.0	2
13	Report on 27th AIRAPT International Conference on High Pressure Science and Technology. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2020, 30, 49-50.	0.0	1
14	Laser-shock compression experiment on magnesium hydride. High Energy Density Physics, 2019, 33, 100703.	1.5	0
15	X-ray radiography based on the phase-contrast imaging with using LiF detector. Journal of Physics: Conference Series, 2021, 1787, 012027.	0.4	0
16	Pressure amplification effect of using resorcinol/formaldehyde foam ablaters in laser-shock experiments. Physics of Plasmas, 2021, 28, 072705.	1.9	0
17	Anomalous Uniaxial Compression of Interlayer Distance in Highly Oriented Pyrolytic Graphite. The Review of Laser Engineering, 2017, 45, 513.	0.0	0
18	Toward the Fusion of High-Power Laser Shock and Material Sciences. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2020, 30, 216-224.	0.0	0