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List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

494
citations

623734

14
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

538
citing authors

#	ARTICLE	IF	CITATIONS
1	MHz frame rate hard X-ray phase-contrast imaging using synchrotron radiation. <i>Optics Express</i> , 2017, 25, 13857.	3.4	82
2	Supervised deep learning for real-time quality monitoring of laser welding with X-ray radiographic guidance. <i>Scientific Reports</i> , 2020, 10, 3389.	3.3	56
3	Ghost tomography. <i>Optica</i> , 2018, 5, 1516.	9.3	53
4	In-situ Synchrotron imaging of keyhole mode multi-layer laser powder bed fusion additive manufacturing. <i>Applied Materials Today</i> , 2020, 20, 100650.	4.3	46
5	Ultra high-speed x-ray imaging of laser-driven shock compression using synchrotron light. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 055601.	2.8	42
6	Megahertz x-ray microscopy at x-ray free-electron laser and synchrotron sources. <i>Optica</i> , 2019, 6, 1106.	9.3	41
7	Towards a practical implementation of X-ray ghost imaging with synchrotron light. <i>IUCr</i> , 2018, 5, 428-438.	2.2	32
8	Ultra-high-speed indirect x-ray imaging system with versatile spatiotemporal sampling capabilities. <i>Applied Optics</i> , 2018, 57, 5004.	1.8	26
9	Multi frame synchrotron radiography of pulsed power driven underwater single wire explosions. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	23
10	In situ radiographic and ex situ tomographic analysis of pore interactions during multilayer builds in laser powder bed fusion. <i>Additive Manufacturing</i> , 2020, 36, 101512.	3.0	20
11	X-ray radiography of the overheating instability in underwater electrical explosions of wires. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	19
12	Collapse dynamics of spherical cavities in a solid under shock loading. <i>Scientific Reports</i> , 2020, 10, 8455.	3.3	19
13	Synchrotron based X-ray radiography of convergent shock waves driven by underwater electrical explosion of a cylindrical wire array. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	15
14	Use of synchrotron-based radiography to diagnose pulsed power driven wire explosion experiments. <i>Review of Scientific Instruments</i> , 2019, 90, 013504.	1.3	14
15	<i>In situ</i> radiographic and <i>ex situ</i> tomographic investigation of pore collapse in laser shock-loaded polyurethane foam. <i>Journal of Applied Physics</i> , 2022, 131, .	2.5	4
16	Ultra-high-speed x-ray imaging of shock-induced cavity collapse in a solid medium. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
17	Recent advances on in situ materials characterization using ultra high-speed x-ray imaging at The European Synchrotron "ESRF". , 2019, , .		1