

Marie Emmanuelle Couprie

List of Publications by Year in descending order

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15
papers

578
citations

1307594

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996975

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docs citations

16
times ranked

775
citing authors

#	ARTICLE	IF	CITATIONS
1	Undulator design for a laser-plasma-based free-electron-laser. <i>Physics Reports</i> , 2021, 937, 1-73.	25.6	10
2	COXINEL transport of laser plasma accelerated electrons. <i>Plasma Physics and Controlled Fusion</i> , 2020, 62, 034001.	2.1	5
3	Energy spread tuning of a laser-plasma accelerated electron beam in a magnetic chicane. <i>Plasma Physics and Controlled Fusion</i> , 2020, 62, 074003.	2.1	4
4	Interferometry for full temporal reconstruction of laser-plasma accelerator-based seeded free electron lasers. <i>New Journal of Physics</i> , 2020, 22, 013051.	2.9	5
5	Electron Beam Brightness and Undulator Radiation Brilliance for a Laser Plasma Acceleration Based Free Electron Laser. <i>Instruments</i> , 2020, 4, 1.	1.8	7
6	EuPRAXIA Conceptual Design Report. <i>European Physical Journal: Special Topics</i> , 2020, 229, 3675-4284.	2.6	64
7	Progress towards laser plasma based free electron laser on COXINEL. <i>Journal of Physics: Conference Series</i> , 2020, 1596, 012040.	0.4	0
8	Skew Quadrupole Effect of Laser Plasma Electron Beam Transport. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2447.	2.5	7
9	Permanent Magnet-Based Quadrupoles for Plasma Acceleration Sources. <i>Instruments</i> , 2019, 3, 27.	1.8	18
10	Coherent soft X-ray pulses from an echo-enabled harmonic generation free-electron laser. <i>Nature Photonics</i> , 2019, 13, 555-561.	31.4	92
11	Tunable High Spatio-Spectral Purity Undulator Radiation from a Transported Laser Plasma Accelerated Electron Beam. <i>Scientific Reports</i> , 2019, 9, 19020.	3.3	12
12	Control of laser plasma accelerated electrons for light sources. <i>Nature Communications</i> , 2018, 9, 1334.	12.8	50
13	Towards compact Free Electronâ€“Laser based on laser plasma accelerators. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 909, 5-15.	1.6	7
14	Electron and photon diagnostics for plasma acceleration-based FELs. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 59-67.	2.4	7
15	Injection of harmonics generated in gas in a free-electron laser providing intense and coherent extreme-ultraviolet light. <i>Nature Physics</i> , 2008, 4, 296-300.	16.7	289