

Franck Gobet

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

398
citations

840776

11
h-index

752698

20
g-index

24
all docs

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docs citations

24
times ranked

607
citing authors

#	ARTICLE	IF	CITATIONS
1	Expected yields of Ta181(e, e^2)Ta*181 in the multi-keV range with a plasma-cathode electron beam. Physical Review C, 2022, 105, .	2.9	0
2	X-ray photons produced from a plasma-cathode electron beam for radiation biology applications. Applied Physics Letters, 2021, 118, 044102.	3.3	1
3	Effect of plasma hydrodynamics on laser-produced bremsstrahlung MeV photon dose. Physics of Plasmas, 2020, 27, .	1.9	2
4	A versatile and compact high-intensity electron beam for multi-kGy irradiation in nano- or micro-electronic devices. Applied Physics Letters, 2020, 116, 044102.	3.3	3
5	Role of the pre-plasma on electron beam currents from a biased laser-plasma. Review of Scientific Instruments, 2019, 90, 053306.	1.3	3
6	Bremsstrahlung spectrum and photon dose from short-pulse high-intensity laser interaction on various metal targets. Physics of Plasmas, 2019, 26, .	1.9	18
7	Signatures of fluid and kinetic properties in the energy distributions of multicharged Ta ions from nanosecond-laser-heated plasma. Physical Review E, 2018, 98, .	2.1	1
8	Scintillators in High-Power Laser-Driven Experiments. IEEE Transactions on Nuclear Science, 2018, 65, 2216-2219.	2.0	5
9	Energy distributions of electrons emitted by a biased laser-produced plasma at 1013 W cm^{-2} . Journal of Applied Physics, 2017, 122, .	2.5	5
10	Calculation of the rate of nuclear excitation by electron transition in an Rb84m plasma under the hypothesis of local thermodynamic equilibrium using a multiconfiguration Dirac-Fock approach. Physical Review C, 2017, 96, .	2.9	2
11	Absolute energy distributions of Al, Cu, and Ta ions produced by nanosecond laser-generated plasmas at 1013 W cm^{-2} . Journal of Applied Physics, 2016, 119, .	2.5	14
12	Electron extraction from an expanding laser induced plasma cathode. , 2016, , .		0
13	Identification of X-ray spectra in the Na-like to O-like rubidium ions in the range of $3.8 \text{ \AA} \text{--} 7.3 \text{ \AA}$. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 148, 70-89.	2.3	7
14	Response functions of imaging plates to photons, electrons and 4He particles. Review of Scientific Instruments, 2013, 84, 103510.	1.3	81
15	Response functions of Fuji imaging plates to monoenergetic protons in the energy range $0.6 \text{--} 3.2 \text{ MeV}$. Review of Scientific Instruments, 2013, 84, 013508.	1.3	53
16	Measurement of the $^{85}\text{Rb}(\beta, n)^{84\text{m}}\text{Rb}$ cross-section in the energy range 10-19 MeV with bremsstrahlung photons. European Physical Journal A, 2012, 48, 1.	2.5	32
17	Nuclear physics studies using high energy lasers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 653, 80-83.	1.6	25
18	NATALIE: A 32 detector integrated acquisition system to characterize laser produced energetic particles with nuclear techniques. Review of Scientific Instruments, 2011, 82, 023302.	1.3	14

#	ARTICLE	IF	CITATIONS
19	Effect of plasma density scale length on the properties of bremsstrahlung x-ray sources created by picosecond laser pulses. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	62
20	Particle characterization for the evaluation of the ^{181}mTa excitation yield in millijoule laser induced plasmas. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 145701.	1.5	11
21	High flux of relativistic electrons produced in femtosecond laser-thin foil target interactions: Characterization with nuclear techniques. <i>Review of Scientific Instruments</i> , 2008, 79, 023504.	1.3	19
22	Half-life of the first excited state of Hg^{201} . <i>Physical Review C</i> , 2007, 75, .	2.9	18
23	Search for nuclear excitation by electronic transition in U^{235} . <i>Physical Review C</i> , 2004, 70, .	2.9	20
24	Aging phenomena in nonlinear dissipative chains. <i>European Physical Journal B</i> , 2003, 34, 193-199.	1.5	2