

Basil Jb Crowley

List of Publications by Year in descending order

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16
papers

350
citations

933447

10
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

277
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum theory of Thomson scattering. High Energy Density Physics, 2014, 13, 55-83.	1.5	18
2	Continuum lowering – A new perspective. High Energy Density Physics, 2014, 13, 84-102.	1.5	72
3	Measurements of emission spectra from hot, dense germanium plasma in short pulse laser experiments. High Energy Density Physics, 2010, 6, 105-108.	1.5	25
4	A comparison of theory and experiment for high density, high temperature germanium spectra. High Energy Density Physics, 2010, 6, 95-98.	1.5	11
5	The calculation of free electron density in Cassandra. High Energy Density Physics, 2010, 6, 66-69.	1.5	5
6	Heating of buried layer targets by 1fs and 2fs pulses using the HELEN CPA laser. High Energy Density Physics, 2007, 3, 115-119.	1.5	21
7	Measurements of niobium absorption spectra in plasmas with nearly full M-shell configurations. High Energy Density Physics, 2007, 3, 325-334.	1.5	14
8	The effect of line-broadening on the overall width of transition arrays in dense plasmas. Journal of Quantitative Spectroscopy and Radiative Transfer, 2006, 99, 283-294.	2.3	15
9	High-order multipole transitions in radiative opacities. Journal of Quantitative Spectroscopy and Radiative Transfer, 2006, 99, 627-635.	2.3	1
10	Modelling of plasmas in an average-atom local density approximation: the CASSANDRA code. Journal of Quantitative Spectroscopy and Radiative Transfer, 2001, 71, 257-272.	2.3	77
11	Opacity measurements: Extending the range and filling in the gaps. Journal of Quantitative Spectroscopy and Radiative Transfer, 1997, 58, 415-425.	2.3	55
12	Nuclear fusion in high density matter. Nuclear Fusion, 1989, 29, 2199-2216.	3.5	7
13	A semiclassical theory of elastic scattering and direct-reactions: Time-independent formulation in three spatial dimensions with complex trajectories. Physics Reports, 1980, 57, 47-149.	25.6	17
14	A unified semiclassical description of elastic scattering by a central field. Physics Letters, Section A: General, Atomic and Solid State Physics, 1980, 75, 183-188.	2.1	2
15	On the theory of nuclear heavy-ion direct transfer reactions. Annals of Physics, 1979, 117, 323-359.	2.8	5
16	On the global nature of the semiclassical wavefunction describing elastic scattering in several coordinate dimensions. Physics Letters, Section A: General, Atomic and Solid State Physics, 1979, 71, 186-190.	2.1	5