Cedric Ray

List of Publications by Year
in descending order

21 papers	720 citations	759233 12 h-index	839539 18 g-index
21 all docs	21 docs citations	21 times ranked	594 citing authors

#	Article	IF	Citations
1	Synthesis and Structure of Silicon-doped Heterofullerenes. Physical Review Letters, 1998, 80, 5365-5368.	7.8	163
2	Photolysis experiments on SiC mixed clusters: From silicon carbide clusters to silicon-doped fullerenes. Journal of Chemical Physics, 1999, 110, 6927-6938.	3.0	102
3	Silicon-carbon mixed clusters. Chemical Physics Letters, 1997, 277, 96-104.	2.6	93
4	Real-time monitoring of the Bragg-peak position in ion therapy by means of single photon detection. Radiation and Environmental Biophysics, 2010, 49, 337-343.	1.4	83
5	Nanostructured SiC films obtained by neutral-cluster depositions. Physical Review B, 1998, 58, 16481-16490.	3.2	47
6	Metal-Insulator Transitions in an Expanding Metallic Fluid: Particle Formation Kinetics. Physical Review Letters, 2003, 90, 236102.	7.8	41
7	Gas phase study of siliconâ€“C60 complexes: Surface coating and polymerization. Journal of Chemical Physics, 2000, 112, 8436-8445.	3.0	36
8	Monte Carlo Simulations of Prompt-Gamma Emission During Carbon Ion Irradiation. IEEE Transactions on Nuclear Science, 2010, 57, 2768-2772.	2.0	31
9	Collimated prompt gamma TOF measurements with multi-slit multi-detector configurations. Journal of Instrumentation, 2015, 10, P01011-P01011.	1.2	27
10	Design Study of the Absorber Detector of a Compton Camera for On-Line Control in Ion Beam Therapy. IEEE Transactions on Nuclear Science, 2012, 59, 1850-1855.	2.0	24
11	Low Statistics Reconstruction of the Compton Camera Point Spread Function in 3D Prompt-$gamma$ Imaging of Ion Beam Therapy. IEEE Transactions on Nuclear Science, 2013, 60, 3355-3363.	2.0	17
12	Technical Note: Experimental carbon ion range verification in inhomogeneous phantoms using prompt gammas. Medical Physics, 2015, 42, 2342-2346.	3.0	15
13	Interference and shadow effects in the production of light by charged particles in optical fibers. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 3725-3732.	1.4	9
14	Measurement of Vacuum-Assisted Photoionization at 1ÂGeV for Au and Ag Targets. Physical Review Letters, 2003, 90, 153002.	7.8	8
15	Light induced by charged particles in optical fibers. Nuclear Instruments & Methods in Physics Research B, 2013, 309, 162-166.	1.4	6
16	Two photon excited fluorescence and hyper Rayleigh scattering of Protoporphyrin IX. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 402, 112812.	3.9	6
17	Quadratic nonlinear optics to assess the morphology of riboflavin doped chitosan for eco-friendly lithography. Optical Materials, 2018, 80, 30-36.	3.6	5
18	Integration of information and communication technologies in special relativity teaching. European Journal of Physics, 2005, 26, S13-S22.	0.6	3

#	Article	IF	Citations
19	Image reconstruction for Compton camera applied to 3D prompt γ imaging during ion beam therapy. , 2011, , .		3
20	<title>Photon production by charged particles in narrow optical fibers</title>. , 2007, , .		1
21	Coherent Light induced in Optical Fiber by a Charged Particle. Journal of Physics: Conference Series, 2016, 732, 012005.	0.4	0