

Floriane Poignant

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

323
citations

1307594

7
h-index

1372567

10
g-index

11
all docs

11
docs citations

11
times ranked

322
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical simulation of multiple ionization and high LET effects in liquid water radiolysis. Radiation Physics and Chemistry, 2006, 75, 493-513.	2.8	141
2	Production of HO ₂ and O ₂ by multiple ionization in water radiolysis by swift carbon ions. Chemical Physics Letters, 2005, 410, 330-334.	2.6	58
3	Intercomparison of dose enhancement ratio and secondary electron spectra for gold nanoparticles irradiated by X-rays calculated using multiple Monte Carlo simulation codes. Physica Medica, 2020, 69, 147-163.	0.7	42
4	Radiolysis of Water Confined in Porous Silica: A Simulation Study of the Physicochemical Yields. Journal of Physical Chemistry C, 2010, 114, 12667-12674.	3.1	24
5	Intercomparison of Monte Carlo calculated dose enhancement ratios for gold nanoparticles irradiated by X-rays: Assessing the uncertainty and correct methodology for extended beams. Physica Medica, 2021, 84, 241-253.	0.7	20
6	Theoretical derivation and benchmarking of cross sections for low-energy electron transport in gold. European Physical Journal Plus, 2020, 135, 1.	2.6	9
7	Influence of gold nanoparticles embedded in water on nanodosimetry for keV photon irradiation. Medical Physics, 2021, 48, 1874-1883.	3.0	8
8	Consistency checks of results from a Monte Carlo code intercomparison for emitted electron spectra and energy deposition around a single gold nanoparticle irradiated by X-rays. Radiation Measurements, 2021, 147, 106637.	1.4	7
9	Monte Carlo simulation of free radical production under keV photon irradiation of gold nanoparticle aqueous solution. Part II: Local primary chemical boost. Radiation Physics and Chemistry, 2021, 179, 109161.	2.8	3
10	Low-energy electron transport in gold: mesoscopic potential calculation and its impact on electron emission yields. European Physical Journal Plus, 2021, 136, 1.	2.6	0