

# Maria A Kolyvanova

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6133312/publications.pdf>

Version: 2024-02-01

15  
papers

115  
citations

1478458

6  
h-index

1281846

11  
g-index

15  
all docs

15  
docs citations

15  
times ranked

116  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of quenching efficacy of SYBR Green I and PicoGreen fluorescence by ultrasmall gold nanoparticles in isotropic and liquid-crystalline DNA systems. <i>Journal of Molecular Liquids</i> , 2021, 321, 114751.	4.9	10
2	Promising magnetic nanoradiosensitizers for combination of tumor hyperthermia and x-ray therapy: Theoretical calculation. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	19
3	Impact of the Spectral Composition of Kilovoltage X-rays on High-Z Nanoparticle-Assisted Dose Enhancement. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6030.	4.1	5
4	Fluorescence superquenching of SYBR Green I in crowded DNA by gold nanoparticles. <i>Journal of Luminescence</i> , 2020, 219, 116898.	3.1	12
5	Radiosensitization by Gold Nanoparticles: Impact of the Size, Dose Rate, and Photon Energy. <i>Nanomaterials</i> , 2020, 10, 952.	4.1	30
6	The Effect of Gold Nanoparticle Surface Modification with Polyethylene Glycol on the Absorbed Dose Distribution upon Irradiation with <sup>137</sup> Cs and <sup>60</sup> Co Photons. <i>Biophysics (Russian Federation)</i> , 2019, 64, 23-30.	0.7	3
7	Hafnium Oxide as a Nanoradiosensitizer under X-ray Irradiation of Aqueous Organic Systems: A Model Study Using the Spin-Trapping Technique and Monte Carlo Simulations. <i>Journal of Physical Chemistry C</i> , 2019, 123, 27375-27384.	3.1	12
8	A Unique Prototypic Device for Radiation Therapy: The p53-Independent Antiproliferative Effect of Neutron Radiation. <i>Acta Naturae</i> , 2019, 11, 99-102.	1.7	3
9	Measuring the Beam Density of Accelerated <sup>12</sup> C Ions Using Computer Analysis of Microscopic Photographic Images of Etched CR-39 Plastic Surfaces. <i>Instruments and Experimental Techniques</i> , 2018, 61, 730-739.	0.5	1
10	Spectra of secondary particles generated upon virtual irradiation of gold nanosensitizers: implications for surface modification. <i>Biomedical Physics and Engineering Express</i> , 2018, 4, 045023.	1.2	5
11	An Analytical Model for Dosimetry of Nonstandard Photon Beams with Small, Round Cross Sections. <i>Bio-Medical Engineering</i> , 2018, 52, 106-110.	0.5	0
12	Modeling the Effect of Surface Modification of Gold Nanoparticles Irradiated with <sup>60</sup> Co on the Secondary Particles Emission Spectrum. <i>Doklady Physics</i> , 2018, 63, 96-99.	0.7	6
13	Nanosized Particles of Tantalum, Hafnium, and Cerium Oxides Used with Monochromatic Photon Beams and Brachytherapy Sources. <i>Optics and Spectroscopy (English Translation of Optika i Tj ETQq1 1 0.784314.orgBT /Overclock 10</i>		
14	The dose kernels of pencil and differential pencil photon beams with the spectrum of treatment machines with a <sup>60</sup> Co source in water and their analytical approximation. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika)</i> , 2016, 71, 431-439.	0.4	1
15	Radiation technology in medicine: Part 1. medical accelerators. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika)</i> , 2015, 70, 457-465.	0.4	5