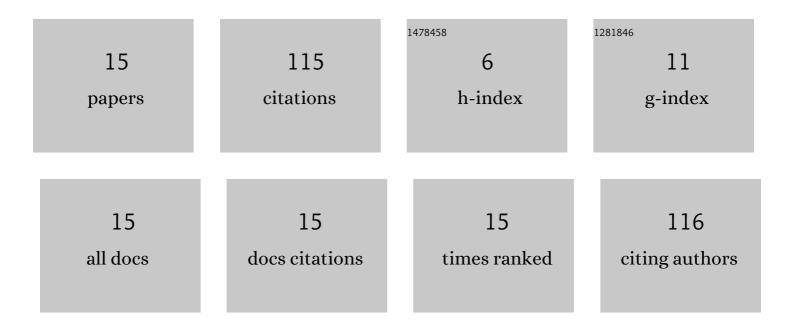
## Maria A Kolyvanova

List of Publications by Year in descending order

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#	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. Journal of Molecular Liquids, 2021, 321, 114751.	4.9	10
2	Promising magnetic nanoradiosensitizers for combination of tumor hyperthermia and x-ray therapy: Theoretical calculation. Journal of Applied Physics, 2021, 129, .	2.5	19
3	Impact of the Spectral Composition of Kilovoltage X-rays on High-Z Nanoparticle-Assisted Dose Enhancement. International Journal of Molecular Sciences, 2021, 22, 6030.	4.1	5
4	Fluorescence superquenching of SYBR Green I in crowded DNA by gold nanoparticles. Journal of Luminescence, 2020, 219, 116898.	3.1	12
5	Radiosensitization by Gold Nanoparticles: Impact of the Size, Dose Rate, and Photon Energy. Nanomaterials, 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 137Cs and 60Co Photons. Biophysics (Russian Federation), 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. Journal of Physical Chemistry C, 2019, 123, 27375-27384.	3.1	12
8	A Unique Prototypic Device for Radiation Therapy: The p53-Independent Antiproliferative Effect of Neutron Radiation. Acta Naturae, 2019, 11, 99-102.	1.7	3
9	Measuring the Beam Density of Accelerated 12C lons Using Computer Analysis of Microscopic Photographic Images of Etched CR-39 Plastic Surfaces. Instruments and Experimental Techniques, 2018, 61, 730-739.	0.5	1
10	Spectra of secondary particles generated upon virtual irradiation of gold nanosensitizers: implications for surface modification. Biomedical Physics and Engineering Express, 2018, 4, 045023.	1.2	5
11	An Analytical Model for Dosimetry of Nonstandard Photon Beams with Small, Round Cross Sections. Bio-Medical Engineering, 2018, 52, 106-110.	0.5	0
12	Modeling the Effect of Surface Modification of Gold Nanoparticles Irradiated with 60Co on the Secondary Đarticles Emission Spectrum. Doklady Physics, 2018, 63, 96-99.	0.7	6
13	Nanosized Particles of Tantalum, Hafnium, and Cerium Oxides Used with Monochromatic Photon Beams and Brachytherapy Sources. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq1 1 0.784	3140r.gBT /	Oværlock 10
14	The dose kernels of pencil and differential pencil photon beams with the spectrum of treatment machines with a 60Co source in water and their analytical approximation. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2016, 71, 431-439.	0.4	1
15	Radiation technology in medicine: Part 1. medical accelerators. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2015, 70, 457-465.	0.4	5