

Timofey Evgenevich Pylaev

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

567
citations

933447

10
h-index

940533

16
g-index

22
all docs

22
docs citations

22
times ranked

1069
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical and Theranostic Applications of Gold Nanoparticles and Multifunctional Nanocomposites. <i>Theranostics</i> , 2013, 3, 167-180.	10.0	166
2	Quantifying the Numbers of Gold Nanoparticles in the Test Zone of Lateral Flow Immunoassay Strips. <i>ACS Applied Nano Materials</i> , 2019, 2, 5020-5028.	5.0	98
3	A New T-Matrix Solvable Model for Nanorods: TEM-Based Ensemble Simulations Supported by Experiments. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6317-6323.	3.1	59
4	Green synthesis of nanoparticles with extracellular and intracellular extracts of basidiomycetes. <i>PeerJ</i> , 2018, 6, e5237.	2.0	53
5	A novel cell transfection platform based on laser optoporation mediated by Au nanostar layers. <i>Journal of Biophotonics</i> , 2019, 12, e201800166.	2.3	37
6	Colorimetric and dynamic light scattering detection of DNA sequences by using positively charged gold nanospheres: a comparative study with gold nanorods. <i>Nanotechnology</i> , 2011, 22, 285501.	2.6	28
7	Gold nanoparticle-assisted polymerase chain reaction: effects of surface ligands, nanoparticle shape and material. <i>RSC Advances</i> , 2016, 6, 110146-110154.	3.6	28
8	Polydopamine-coated Au nanorods for targeted fluorescent cell imaging and photothermal therapy. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 794-803.	2.8	22
9	Quantitative and multiplex dot-immunoassay using gap-enhanced Raman tags. <i>RSC Advances</i> , 2017, 7, 40834-40841.	3.6	18
10	DNA detection assay based on fluorescence quenching of rhodamine B by gold nanoparticles: The optical mechanisms. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 131, 34-42.	2.3	15
11	Plasmonic nanoparticles and nucleic acids hybrids for targeted gene delivery, bioimaging, and molecular recognition. <i>Journal of Innovative Optical Health Sciences</i> , 2021, 14, .	1.0	13
12	Laboratory test system for the evaluation of nanomaterial toxicity on <i>Dunaliella salina</i> microalgae. <i>Nanotechnologies in Russia</i> , 2015, 10, 109-119.	0.7	7
13	Optoporation and Recovery of Living Cells under Au Nanoparticle Layer-Mediated NIR-Laser Irradiation. <i>ACS Applied Nano Materials</i> , 2021, 4, 13206-13217.	5.0	7
14	Plasmon-resonant gold nanoparticles with variable morphology as optical labels and drug carriers for cytological research. , 2013, , .		5
15	Effects of shape and charge of colloidal gold nanoparticles in colorimetric determination of DNA sequences. <i>Colloid Journal</i> , 2011, 73, 368-377.	1.3	4
16	Analytical and Theranostic Applications of Gold Nanoparticles and Multifunctional Nanocomposites: Erratum. <i>Theranostics</i> , 2013, 3, 1012-1012.	10.0	3
17	Cell culture surfaces with immobilized gold nanostars: a new approach for laser-induced plasmonic cell optoporation. , 2017, , .		2
18	Docking and antibacterial activity of novel nontoxic 5-arylidenepyrimidine-triones as inhibitors of NDM-1 and MetAP-1. <i>Future Medicinal Chemistry</i> , 2021, 13, 1041-1055.	2.3	1

#	ARTICLE	IF	CITATIONS
19	A novel centrifuge-based approach for tunable 2D layering of plasmonic nanoparticles. , 2019, , .		1
20	Computer simulation of structure and mobility of water hydrogen bonds net in aqueous solutions of some chemical compounds. , 2005, , .		0
21	Obtaining viable Azospirillum brasilense SR80 cells encapsulated in alginate hydrogel. Izvestiya of Saratov University New Series Series: Chemistry Biology Ecology, 2021, 21, 298-303.	0.1	0
22	Features of respiratory disorders and vitamin D status in preterm infants with a gestational age of more than 32 weeks. PediatriĀ Consilium Medicum, 2022, , 53-58.	0.2	0