Alla B Bucharskaya

List of Publications by Year
in descending order

62	628	759233	610901
papers	citations	12 h-index	24 g-index

64	64	64	1198
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gold nanorods with a hematoporphyrin-loaded silica shell for dual-modality photodynamic and photothermal treatment of tumors in vivo. Nano Research, 2014, 7, 325-337.	10.4	136
2	Towards Effective Photothermal/Photodynamic Treatment Using Plasmonic Gold Nanoparticles. International Journal of Molecular Sciences, 2016, 17, 1295.	4.1	113
3	Application of optical coherence tomography for in vivo monitoring of the meningeal lymphatic vessels during opening of bloodâ€“brain barrier: mechanisms of brain clearing. Journal of Biomedical Optics, 2017, 22, 1.	2.6	43
4	In vivo optical monitoring of transcutaneous delivery of calcium carbonate microcontainers. Biomedical Optics Express, 2016, 7, 2082.	2.9	36
5	In vitro and in vivo MRI visualization of nanocomposite biodegradable microcapsules with tunable contrast. Physical Chemistry Chemical Physics, 2016, 18, 32238-32246.	2.8	31
6	Photothermal and Photodynamic Therapy of Tumors with Plasmonic Nanoparticles: Challenges and Prospects. Materials, 2022, 15, 1606.	2.9	29
7	Systemic Administration of Polyelectrolyte Microcapsules: Where Do They Accumulate and When? In Vivo and Ex Vivo Study. Nanomaterials, 2018, 8, 812.	4.1	28
8	Fat tissue histological study at indocyanine green-mediated photothermal/photodynamic treatment of the skin in vivo. Journal of Biomedical Optics, 2012, 17, 058002.	2.6	25
9	Plasmonic photothermal therapy: Approaches to advanced strategy. Lasers in Surgery and Medicine, 2018, 50, 1025-1033.	2.1	22
10	Study of glycerol diffusion in skin and myocardium ex vivo under the conditions of developing alloxan-induced diabetes. Journal of Biomedical Photonics and Engineering, 2017, 3, 020302.	0.7	18
11	Plasmonic Photothermal Therapy of Transplanted Tumors in Rats at Multiple Intravenous Injection of Gold Nanorods. BioNanoScience, 2017, 7, 216-221.	3.5	13
12	A Complex Study of the Peculiarities of Blood Serum Absorption of Rats with Experimental Liver Cancer. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2019, 126, 721-729.	0.6	13
13	The apoptotic activity of flavonoid-containing Gratiola officinalis extract in cell cultures of human kidney cancer. Russian Open Medical Journal, 2018, 7, e0402.	0.3	12
14	Encapsulated Magnetite Nanoparticles. , 2018, , 175-192.		11
15	Antitumor Activity of Extracts from Medicinal Basidiomycetes Mushrooms. International Journal of Medicinal Mushrooms, 2016, 18, 955-964.	1.5	10
16	Study of Blood Serum in Rats with Transplanted Cholangiocarcinoma Using Raman Spectroscopy. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2020, 128, 964-971.	0.6	9
17	Effect of flavonoid-containing extracts on the growth of transplanted sarcoma 45, peripheral blood and bone marrow condition after oral and intramuscular administration in rats. Russian Open Medical Journal, 2017, 6, e0304.	0.3	9
18	Morphology alterations of skin and subcutaneous fat at NIR laser irradiation combined with delivery of encapsulated indocyanine green. Journal of Biomedical Optics, 2017, 22, 055008.	2.6	8

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19	Delivery and reveal of localization of upconversion luminescent microparticles and quantum dots in the skin in vivo by fractional laser microablation, multimodal imaging, and optical clearing. Journal of Biomedical Optics, 2018, 23, 1.	2.6	8
20	Effect of extracts of Gratiola officinalis and Zea mays on the tumor and the morphology of the internal organs of rats with transplanted liver cancer. Russian Open Medical Journal, 2012, 1, 0203.	0.3	8
21	A new extraction method of bioflavanoids from poisonous plant (Gratiola Officinalis L.). Russian Open Medical Journal, 2014, 3, 0304.	0.3	6
22	Skin and subcutaneous fat morphology alterations under the LED or laser treatment in rats in vivo. Journal of Biophotonics, 2019, 12, e201900117.	2.3	4
23	Immersion optical clearing of adipose tissue in rats: ex vivo and in vivo studies. Journal of Biophotonics, 2022, 15, e202100393.	2.3	4
24	Gold nanoparticle-aided preparation of antibodies to Î±-methylacyl-CoA racemase and its immunochemical detection. Gold Bulletin, 2016, 49, 87-94.	2.4	3
25	Cancer Cell Damage at Laser-Induced Plasmon-Resonant Photothermal Treatment of Transplanted Liver Tumor. BioNanoScience, 2016, 6, 256-260.	3.5	3
26	Gold Nanoparticle-Based Technologies in Photothermal/Photodynamic Treatment. , 2018, , 151-173.		3
27	Morphological study of the internal organs in rats with alloxan diabetes and transplanted liver tumor after intravenous injection of gold nanorods. Russian Open Medical Journal, 2014, 3, 0301.	0.3	2
28	Alterations of morphology of lymphoid organs and peripheral blood indicators under the influence of gold nanoparticles in rats. Journal of Innovative Optical Health Sciences, 2016, 09, 1640004.	1.0	2
29	The Influence of Long-Term Peroral Administration of Gold Nanoparticles with Various Sizes on the Liver, Spleen, and Lymph Nodes of Laboratory Rats and Their Progeny. Optics and Spectroscopy (English) Tj ETQq1 1 0.784314 rgBT /Ov		2
30	Influence of chronic intrauterine hypoxia on development of testicles of newborns. Russian Open Medical Journal, 2018, 7, e0201.	0.3	2
31	Changes in Optical Properties of Model Cholangiocarcinoma after Plasmon-Resonant Photothermal Treatment. Photonics, 2022, 9, 199.	2.0	2
32	Fat tissue histological study at NIR laser treatment of the skin in vivo. , 2011, , .		1
33	The assesment of effectiveness of plasmonic resonance photothermal therapy in tumor-bearing rats after multiple intravenous administration of gold nanorods. Proceedings of SPIE, 2017, , .	0.8	1
34	The effects of prolonged oral administration of gold nanoparticles on the morphology of hematopoietic and lymphoid organs. , 2017, , .		1
35	Efficiency of Plasmonic Photothermal Therapy of Experimental Tumors. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2020, 128, 849-854.	0.6	1
36	Optical properties of model cholangiocarcinoma tissues in the spectral range of 350-2250 nm in laser photothermolysis treatment. , 2021, , .		1

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37	Tumor cell death visualization of renal cell carcinoma under the combined effect of the Gratiola officinalis extract and cyclophosphamide using fluorescent staining methods. Journal of Innovative Optical Health Sciences, 0, , 2142004.	1.0	1
38	Morphokinetics of mesenterial lymphatic node cell populations at exposure of gold nanoparticles in experiment. Russian Open Medical Journal, 2012, 1, 0302.	0.3	1
39	Accumulation and biodistribution of gold nanoparticles in the mesenteric lymph nodes at oral administration. Russian Open Medical Journal, 2013, 2, 0301.	0.3	1
40	Speckle-contrast imaging of pathological tissue microhemodynamics at optical clearing. , 2019, , .		1
41	Studies of lipid peroxidation of rat blood after in vivo photodynamic treatment. Proceedings of SPIE, 2012, , .	0.8	0
42	The reversibility of morphological changes in the mesenteric lymph nodes after peroral administration of gold nanoparticles. Proceedings of SPIE, 2014, , .	0.8	0
43	Evaluation of lipid peroxidation activity at intravenous administration of gold nanorods in rats with simulated diabetes and transplanted liver cancer. , 2014, , .		0
44	The study of indicators of bone marrow and peripheral blood of rats with diabetes and transplanted liver tumor after intravenous injection of gold nanorods. , 2015, , .		0
45	The Morphological Changes in the Internal Organs in Tumor-Bearing Rats at Intravenous Injection of Citrate-Stabilized Magnetite Nanoparticles. BioNanoScience, 2016, 6, 162-168.	3.5	0
46	Nanoparticles and nanostructured carriers for drug delivery and contrast enhancement. Proceedings of SPIE, 2016, , .	0.8	0
47	The morphological changes in transplanted tumors in rats at plasmonic photothermal therapy. Proceedings of SPIE, 2016, , .	0.8	0
48	The morphological changes in the internal organs of laboratory animals after prolonged oral administration of gold nanoparticles. Journal of Innovative Optical Health Sciences, 2016, 09, 1642004.	1.0	0
49	The Effect Of Intrauterine Hypoxia On Testicular Reproductive Function. Russian Open Medical Journal, 2021, 10, .	0.3	0
50	The interaction between the meningeal lymphatics and blood-brain barrier. , 2018, , .		0
51	The inflammation markers in serum of tumor-bearing rats after plasmonic photothermal therapy. , 2018, , .		0
52	Investigation of change of tumor optical properties after laser-induced plasmon-resonant photothermal treatment of transplanted tumors in rats. , 2018, , .		0
53	Reduction of intoxication in the rats with transplanted tumors under the influence of Gratiola officinalis L. extract. , 2018, , .		0
54	Exogenous agent diffusivity in tissues as a biomarker of diabetes mellitus pathology. , 2019, , .		0

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55	Functional and morphological changes in the mother-placenta-fetus system during chronic hypoxia (experimental study). , 2019, , .		0
56	Phenomenon of atypical vascular effects of epinephrine and an increase of photodynamic response by nitroglycerin in rats with colon adenocarcinoma: adrenergic and nitrergic mechanisms and novel applied aspects. Biomedical Optics Express, 2019, 10, 4115.	2.9	0
57	Pilot study of glycerol diffusion in ex vivo skin: a comparison of alloxan and streptozotocin diabetes models. , 2020, , .		0
58	Functional and morphological changes in the testicular tissue of rat newborns during chronic hypoxia: experimental study. , 2020, , .		0
59	Can the infection, caused by Chlamydia psittaci, produce the stimulation of the growth of a malignant tumor: studying by using t-LASCA technique on animal model. , 2020, , .		0
60	Speckle-contrast imaging of pathological tissue microhemodynamics in the development of various diabetes models. , 2020, , .		0
61	Significance Of LC3B Autophagy Marker In Recurrent Prostate Adenocarcinoma. Russian Open Medical Journal, 2022, 11, .	0.3	0
62	Wound Healing Activity Of Extract Of Gratiola Officinalis In Vivo. Russian Open Medical Journal, 2021, 10, .	0.3	0