Irina Y Zhitnyak

List of Publications by Year
in descending order

29 papers	1,016 citations	516561 16 h-index	501076 28 g-index
29 all docs	29 docs citations	29 times ranked	1557 citing authors

#	Article	IF	Citations
1	The nucleus acts as a ruler tailoring cell responses to spatial constraints. Science, 2020, 370, .	6.0	299
2	Cadherin-mediated cell-cell interactions in normal and cancer cells. Tissue Barriers, 2017, 5, e1356900.	1.6	102
3	Boron Nitride Nanoparticles with a Petal-Like Surface as Anticancer Drug-Delivery Systems. ACS Applied Materials & Interfaces, 2015, 7, 17217-17225.	4.0	87
4	Role of Epithelial-Mesenchymal Transition in Tumor Progression. Biochemistry (Moscow), 2018, 83, 1469-1476.	0.7	57
5	Rearrangements of the Actin Cytoskeleton and E-Cadherinâ€“Based Adherens Junctions Caused by Neoplasic Transformation Change Cellâ€“Cell Interactions. PLoS ONE, 2009, 4, e8027.	1.1	53
6	Toward bioactive yet antibacterial surfaces. Colloids and Surfaces B: Biointerfaces, 2015, 135, 158-165.	2.5	39
7	Comparison of Different Approaches to Surface Functionalization of Biodegradable Polycaprolactone Scaffolds. Nanomaterials, 2019, 9, 1769.	1.9	37
8	Early Events in Actin Cytoskeleton Dynamics and E-Cadherin-Mediated Cell-Cell Adhesion during Epithelial-Mesenchymal Transition. Cells, 2020, 9, 578.	1.8	33
9	Characteristics and in vitro response of thin hydroxyapatiteâ€“titania films produced by plasma electrolytic oxidation of Ti alloys in electrolytes with particle additions. RSC Advances, 2016, 6, 12688-12698.	1.7	32
10	A new combined approach to metal-ceramic implants with controllable surface topography, chemistry, blind porosity, and wettability. Surface and Coatings Technology, 2012, 208, 14-23.	2.2	30
11	Effect of BN Nanoparticles Loaded with Doxorubicin on Tumor Cells with Multiple Drug Resistance. ACS Applied Materials & Interfaces, 2017, 9, 32498-32508.	4.0	27
12	Synergistic and long-lasting antibacterial effect of antibiotic-loaded TiCaPCON-Ag films against pathogenic bacteria and fungi. Materials Science and Engineering C, 2018, 90, 289-299.	3.8	27
13	Ag- and Cu-doped multifunctional bioactive nanostructured TiCaPCON films. Applied Surface Science, 2013, 285, 331-343.	3.1	25
14	Bioactive TiCaPCON-coated PCL nanofibers as a promising material for bone tissue engineering. Applied Surface Science, 2019, 479, 796-802.	3.1	23
15	Phenotypic Plasticity of Cancer Cells Based on Remodeling of the Actin Cytoskeleton and Adhesive Structures. International Journal of Molecular Sciences, 2021, 22, 1821.	1.8	22
16	Antibacterial Performance of TiCaPCON Films Incorporated with Ag, Pt, and Zn: Bactericidal Ions Versus Surface Microgalvanic Interactions. ACS Applied Materials & Interfaces, 2018, 10, 24406-24420.	4.0	18
17	A Novel Role of E-Cadherin-Based Adherens Junctions in Neoplastic Cell Dissemination. PLoS ONE, 2015, 10, e0133578.	1.1	16
18	Two approaches to form antibacterial surface: Doping with bactericidal element and drug loading. Applied Surface Science, 2015, 330, 339-350.	3.1	14

#	Article	IF	Citations
19	Experimental and Theoretical Study of Doxorubicin Physicochemical Interaction with BN(O) Drug Delivery Nanocarriers. Journal of Physical Chemistry C, 2018, 122, 26409-26418.	1.5	14
20	Different concepts for creating antibacterial yet biocompatible surfaces: Adding bactericidal element, grafting therapeutic agent through COOH plasma polymer and their combination. Applied Surface Science, 2021, 556, 149751.	3.1	11
21	Dual role of E-cadherin in cancer cells. Tissue Barriers, 2022, 10, 2005420.	1.6	11
22	Structural transformations in TiC-CaO-Ti3PO(x)-(Ag2Ca) electrodes and biocompatible TiCaPCO(N)-(Ag) coatings during pulsed electrospark deposition. Surface and Coatings Technology, 2016, 302, 327-335.	2.2	9
23	Morphology, cell-cell interactions, and migratory activity of IAR-2 epithelial cells transformed with the RAS oncogene: Contribution of cell adhesion protein E-Cadherin. Russian Journal of Developmental Biology, 2011, 42, 402-411.	0.1	8
24	Microstructure, chemical and biological performance of boron-modified TiCaPCON films. Applied Surface Science, 2019, 465, 486-497.	3.1	7
25	Comparative investigation of antibacterial yet biocompatible Ag-doped multicomponent coatings obtained by pulsed electrospark deposition and its combination with ion implantation. Ceramics International, 2018, 44, 3765-3774.	2.3	5
26	The influence of elemental composition and surface topography on adhesion, proliferation and differentiation of osteoblasts. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2010, 4, 272-276.	0.3	4
27	Involvement of SASH1 in the Maintenance of Stable Cellâ€“Cell Adhesion. Biochemistry (Moscow), 2020, 85, 660-667.	0.7	4
28	An In Vitro System to Study the Epithelialâ€“Mesenchymal Transition In Vitro. Methods in Molecular Biology, 2018, 1749, 29-42.	0.4	2
29	INDUCTION OF EPITHELIAL-TO-MESENCHYMAL TRANSITION IN MCF-7-SNAI1 CELLS LEADS TO REORGANIZATION OF ADHERENS JUNCTIONS AND ACQUISITION OF MIGRATORY ACTIVITY. Siberian Journal of Oncology, 2018, 17, 24-29.	0.1	0