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	Dual role of E-cadherin in cancer cells. Tissue Barriers, 2022, 10, 2005420.	1.6	11
2	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
3	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
4	The nucleus acts as a ruler tailoring cell responses to spatial constraints. Science, 2020, 370, .	6.0	299
5	Involvement of SASH1 in the Maintenance of Stable Cellâ€“Cell Adhesion. Biochemistry (Moscow), 2020, 85, 660-667.	0.7	4
6	Early Events in Actin Cytoskeleton Dynamics and E-Cadherin-Mediated Cell-Cell Adhesion during Epithelial-Mesenchymal Transition. Cells, 2020, 9, 578.	1.8	33
7	Bioactive TiCaPCON-coated PCL nanofibers as a promising material for bone tissue engineering. Applied Surface Science, 2019, 479, 796-802.	3.1	23
8	Comparison of Different Approaches to Surface Functionalization of Biodegradable Polycaprolactone Scaffolds. Nanomaterials, 2019, 9, 1769.	1.9	37
9	Microstructure, chemical and biological performance of boron-modified TiCaPCON films. Applied Surface Science, 2019, 465, 486-497.	3.1	7
10	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
11	An In Vitro System to Study the Epithelialâ€“Mesenchymal Transition In Vitro. Methods in Molecular Biology, 2018, 1749, 29-42.	0.4	2
12	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
13	Role of Epithelial-Mesenchymal Transition in Tumor Progression. Biochemistry (Moscow), 2018, 83, 1469-1476.	0.7	57
14	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
15	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
16	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
17	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
18	Cadherin-mediated cell-cell interactions in normal and cancer cells. Tissue Barriers, 2017, 5, e1356900.	1.6	102

#	Article	IF	Citations
19	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
20	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
21	Two approaches to form antibacterial surface: Doping with bactericidal element and drug loading. Applied Surface Science, 2015, 330, 339-350.	3.1	14
22	Boron Nitride Nanoparticles with a Petal-Like Surface as Anticancer Drug-Delivery Systems. ACS Applied Materials & Interfaces, 2015, 7, 17217-17225.	4.0	87
23	Toward bioactive yet antibacterial surfaces. Colloids and Surfaces B: Biointerfaces, 2015, 135, 158-165.	2.5	39
24	A Novel Role of E-Cadherin-Based Adherens Junctions in Neoplastic Cell Dissemination. PLoS ONE, 2015, 10, e0133578.	1.1	16
25	Ag- and Cu-doped multifunctional bioactive nanostructured TiCaPCON films. Applied Surface Science, 2013, 285, 331-343.	3.1	25
26	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
27	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
28	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
29	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