

# Ivana Gadjanski

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

930  
citations

471061

17  
h-index

500791

28  
g-index

67  
all docs

67  
docs citations

67  
times ranked

1397  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimicrobial nanoparticles and biodegradable polymer composites for active food packaging applications. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021, 20, 2428-2454.	5.9	140
2	Time-Dependent Processes in Stem Cell-Based Tissue Engineering of Articular Cartilage. <i>Stem Cell Reviews and Reports</i> , 2012, 8, 863-881.	5.6	86
3	Point-of-Need DNA Testing for Detection of Foodborne Pathogenic Bacteria. <i>Sensors</i> , 2019, 19, 1100.	2.1	82
4	Magnetic nanoarchitectures for cancer sensing, imaging and therapy. <i>Journal of Materials Chemistry B</i> , 2019, 7, 9-23.	2.9	64
5	Advanced mesoporous silica nanocarriers in cancer theranostics and gene editing applications. <i>Journal of Controlled Release</i> , 2021, 337, 193-211.	4.8	45
6	Role of $\alpha$ -type voltage-dependent calcium channels in autoimmune optic neuritis. <i>Annals of Neurology</i> , 2009, 66, 81-93.	2.8	42
7	Real-time detection of ochratoxin A in wine through insight of aptamer conformation in conjunction with graphene field-effect transistor. <i>Biosensors and Bioelectronics</i> , 2022, 200, 113890.	5.3	41
8	MRI of optic neuritis in a rat model. <i>NeuroImage</i> , 2008, 41, 323-334.	2.1	38
9	Challenges in engineering osteochondral tissue grafts with hierarchical structures. <i>Expert Opinion on Biological Therapy</i> , 2015, 15, 1583-1599.	1.4	38
10	Cultivating Multidisciplinarity: Manufacturing and Sensing Challenges in Cultured Meat Production. <i>Biology</i> , 2021, 10, 204.	1.3	35
11	Effects of interferon-beta-1a on neuronal survival under autoimmune inflammatory conditions. <i>Experimental Neurology</i> , 2006, 201, 172-181.	2.0	34
12	An Optical Coherence Tomography Study on Degeneration of Retinal Nerve Fiber Layer in Rats with Autoimmune Optic Neuritis. , 2012, 53, 157.		33
13	HIV-Tat-mediated Bcl-XL delivery protects retinal ganglion cells during experimental autoimmune optic neuritis. <i>Neurobiology of Disease</i> , 2005, 20, 218-226.	2.1	31
14	Strategies to Enhance Implantation and Survival of Stem Cells After Their Injection in Ischemic Neural Tissue. <i>Stem Cells and Development</i> , 2017, 26, 554-565.	1.1	29
15	Correlation of optical coherence tomography with clinical and histopathological findings in experimental autoimmune uveoretinitis. <i>Experimental Eye Research</i> , 2011, 93, 82-90.	1.2	23
16	Strain-specific susceptibility for neurodegeneration in a rat model of autoimmune optic neuritis. <i>Journal of Neuroimmunology</i> , 2008, 193, 77-86.	1.1	20
17	Supplementation of Exogenous Adenosine 5'-Triphosphate Enhances Mechanical Properties of 3D Cell- $\chi$ -Agarose Constructs for Cartilage Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2013, 19, 2188-2200.	1.6	20
18	Synergistic Effects of Hypoxia and Morphogenetic Factors on Early Chondrogenic Commitment of Human Embryonic Stem Cells in Embryoid Body Culture. <i>Stem Cell Reviews and Reports</i> , 2015, 11, 228-241.	5.6	20

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19	Transient hypoxia improves matrix properties in tissue engineered cartilage. Journal of Orthopaedic Research, 2013, 31, 544-553.	1.2	16
20	Bioengineering Outlook on Cultivated Meat Production. Micromachines, 2022, 13, 402.	1.4	14
21	Spectral-Phase Interferometry Detection of Ochratoxin A via Aptamer-Functionalized Graphene Coated Glass. Nanomaterials, 2021, 11, 226.	1.9	13
22	Recent advances on gradient hydrogels in biomimetic cartilage tissue engineering. F1000Research, 2017, 6, 2158.	0.8	13
23	Recent advances on gradient hydrogels in biomimetic cartilage tissue engineering. F1000Research, 2017, 6, 2158.	0.8	12
24	Using Vertebrate Stem and Progenitor Cells for Cellular Agriculture, State-of-the-Art, Challenges, and Future Perspectives. Biomolecules, 2022, 12, 699.	1.8	9
25	Mimetic Hierarchical Approaches for Osteochondral Tissue Engineering. Advances in Experimental Medicine and Biology, 2018, 1058, 143-170.	0.8	7
26	Microfluidic Sensor Based on Composite Left-Right Handed Transmission Line. Electronics (Switzerland), 2019, 8, 1475.	1.8	7
27	Potentials of fablabs for biomimetic architectural research. , 2016, , .		5
28	Purinergic responses of chondrogenic stem cells to dynamic loading. Journal of the Serbian Chemical Society, 2013, 78, 1865-1874.	0.4	4
29	Formation of Fab lab Petnica. , 2016, , .		4
30	Mathematical modeling of ATP release in response to mechanical stimulation of chondrogenic cells. , 2015, , .		1
31	Simulating fluid flow in "Shrinky Dink" microfluidic chips " Potential for combination with low-cost DIY microPIV. , 2017, , .		1
32	Editorial: Microenvironment-Derived Stem Cell Plasticity. Frontiers in Cell and Developmental Biology, 2017, 5, 82.	1.8	1
33	Therapeutic effect of nucleoside analogs on experimental autoimmune encephalomyelitis in dark agouti rats. Archives of Biological Sciences, 2006, 58, 13-20.	0.2	1
34	Ex vivo amplification kinetics of cord blood hematopoietic progenitor cells in one- and two-step hypoxic response-mimicking cultures (HRMC). , 2015, , .		0
35	R&D in a Fab Lab: Examples of Paste Extrusion Method. Lecture Notes in Mechanical Engineering, 2017, , 461-467.	0.3	0