Sergej Tomic

List of Publications by Year
in descending order

50 papers	1,216 citations	448610 19 h-index	445137 33 g-index
51 all docs	51 docs citations	51 times ranked	2528 citing authors

#	Article	IF	Citations
1	Ex vivo study of ILâ€6 expression and function in immune cell subsets from human periapical lesions. International Endodontic Journal, 2022, 55, 480-494.	2.3	4
2	Mesenchymal Stromal Cells from Healthy and Inflamed Human Gingiva Respond Differently to Porphyromonas gingivalis. International Journal of Molecular Sciences, 2022, 23, 3510.	1.8	6
3	Immunomodulatory Properties of Pomegranate Peel Extract in a Model of Human Peripheral Blood Mononuclear Cell Culture. Pharmaceutics, 2022, 14, 1140.	2.0	9
4	Fermentation characteristics of novel Coriolus versicolor and Lentinus edodes kombucha beverages and immunomodulatory potential of their polysaccharide extracts. Food Chemistry, 2021, 342, 128344.	4.2	32
5	Reduced Expression of Autophagy Markers and Expansion of Myeloid-Derived Suppressor Cells Correlate With Poor T Cell Response in Severe COVID-19 Patients. Frontiers in Immunology, 2021, 12, 614599.	2.2	50
6	Plasma-Activated Medium Potentiates the Immunogenicity of Tumor Cell Lysates for Dendritic Cell-Based Cancer Vaccines. Cancers, 2021, 13, 1626.	1.7	28
7	Harnessing immunomodulatory mechanisms of Trichinella spiralis to design novel nanomedical approaches for restoring self-tolerance in autoimmunity. Immunology Letters, 2021, 238, 57-67.	1.1	3
8	Fecal microbiota composition associates with the capacity of human peripheral blood monocytes to differentiate into immunogenic dendritic cells in vitro. Gut Microbes, 2021, 13, 1-20.	4.3	9
9	Anti-inflammatory effect of amalgam on periapical lesion cells in culture. Vojnosanitetski Pregled, 2021, 78, 289-295.	0.1	0
10	DC-SIGN signalling induced by Trichinella spiralis products contributes to the tolerogenic signatures of human dendritic cells. Scientific Reports, 2020, 10, 20283.	1.6	12
11	Microstructure Characterisation and Identification of the Mechanical and Functional Properties of a New PMMA-ZnO Composite. Materials, 2020, 13, 2717.	1.3	10
12	Antiâ€inflammatory and immunomodulatory effects of Biodentine on human periapical lesion cells in culture. International Endodontic Journal, 2020, 53, 1398-1412.	2.3	7
13	GABA potentiate the immunoregulatory effects of Lactobacillus brevis BGZLS10-17 via ATG5-dependent autophagy in vitro. Scientific Reports, 2020, 10, 1347.	1.6	37
14	Immunological aspects of nanocellulose. Immunology Letters, 2020, 222, 80-89.	1.1	50
15	Cellulose nanocrystals induce a dose-dependent effect on cytotoxicity and proliferative activity of human peripheral blood mononuclear cells. , 2020, 11, 11-19.	0.0	0
16	Differentiation plasticity of human monocytes in culture. , 2020, 11, 1-10.	0.0	0
17	Prostaglanin-E2 Potentiates the Suppressive Functions of Human Mononuclear Myeloid-Derived Suppressor Cells and Increases Their Capacity to Expand IL-10-Producing Regulatory T Cell Subsets. Frontiers in Immunology, 2019, 10, 475.	2.2	62
18	The Effect of Stabilisation Agents on the Immunomodulatory Properties of Gold Nanoparticles Obtained by Ultrasonic Spray Pyrolysis. Materials, 2019, 12, 4121.	1.3	8

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19	Poly (Îµ-caprolactone) microspheres for prolonged release of selenium nanoparticles. Materials Science and Engineering C, 2019, 96, 776-789.	3.8	22
20	Functionalization-dependent effects of cellulose nanofibrils on tolerogenic mechanisms of human dendritic cells. International Journal of Nanomedicine, 2018, Volume 13, 6941-6960.	3.3	19
21	Trichinella spiralis Excretoryâ€“Secretory Products Induce Tolerogenic Properties in Human Dendritic Cells via Toll-Like Receptors 2 and 4. Frontiers in Immunology, 2018, 9, 11.	2.2	52
22	Mesenchymal stem cells from periapical lesions modulate cytokine production by local immune cells. Vojnosanitetski Pregled, 2018, 75, 473-480.	0.1	0
23	Characterisation of NiTi orthodontic archwires characteristic functional properties. IFMBE Proceedings, 2017, , 323-332.	0.2	2
24	Graphene quantum dots suppress proinflammatory T cell responses via autophagy-dependent induction of tolerogenic dendritic cells. Biomaterials, 2017, 146, 13-28.	5.7	84
25	Morphology, Aggregation Properties, Cytocompatibility, and Anti-Inflammatory Potential of Citrate-Stabilized AuNPs Prepared by Modular Ultrasonic Spray Pyrolysis. Journal of Nanomaterials, 2017, 2017, 1-17.	1.5	12
26	Cross-Talk Between Mesenchymal Stem/Stromal Cells and Dendritic Cells. Current Stem Cell Research and Therapy, 2016, 11, 51-65.	0.6	25
27	Differences in cytocompatibility, dynamics of the oxide layersâ€™ formation, and nickel release between superelastic and thermo-activated nickelâ€“titanium archwires. Journal of Materials Science: Materials in Medicine, 2016, 27, 128.	1.7	8
28	Native cellulose nanofibrills induce immune tolerance in vitro by acting on dendritic cells. Scientific Reports, 2016, 6, 31618.	1.6	44
29	Cross-Talk Between Mesenchymal Stem/Stromal Cells and Dendritic Cells. Current Stem Cell Research and Therapy, 2016, 11, 51-65.	0.6	12
30	Mesenchymal Stem Cells from Periapical Lesions Upregulate the Production of Immunoregulatory Cytokines by Inflammatory Cells in Culture / Mezenhimske matiÄne Ä‡elije iz periapeksnih lezija stimuliÅ¡u produkciju imunoregulacijskih citokina od strane inflamacijskih Ä‡elija u kulturi. Acta Facultatis Medicae Naissensis, 2015, 32, 171-179.	0.1	0
31	Tumor necrosis factorâ€“Î± promotes survival and phenotypic maturation of poly(I:C)-treated dendritic cells but impairs their Th1 and Th17 polarizing capability. Cytotherapy, 2015, 17, 633-646.	0.3	7
32	Fast dendritic cells matured with Poly (I:C) may acquire tolerogenic properties. Cytotherapy, 2015, 17, 1763-1776.	0.3	12
33	Formation of Non-Toxic Au Nanoparticles with Bimodal Size Distribution by a Modular Redesign of Ultrasonic Spray Pyrolysis. Nanoscience and Nanotechnology Letters, 2015, 7, 920-929.	0.4	13
34	Microstructure and biocompatibility of goldâ€“lanthanum strips. Gold Bulletin, 2014, 47, 263-273.	1.1	4
35	Immunomodulatory effects of carbon nanotubes functionalized with a Toll-like receptor 7 agonist on human dendritic cells. Carbon, 2014, 67, 273-287.	5.4	20
36	Size-Dependent Effects of Gold Nanoparticles Uptake on Maturation and Antitumor Functions of Human Dendritic Cells In Vitro. PLoS ONE, 2014, 9, e96584.	1.1	117

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37	Quantitative assay of element mass inventories in single cell biological systems with micro-PIXE. Nuclear Instruments & Methods in Physics Research B, 2013, 306, 121-124.	0.6	8
38	Mesenchymal stem cells from periapical lesions modulate differentiation and functional properties of monocyteâ€derived dendritic cells. European Journal of Immunology, 2013, 43, 1862-1872.	1.6	46
39	Cytotoxicity of Gold Nanoparticles Prepared by Ultrasonic Spray Pyrolysis. Journal of Biomaterials Applications, 2012, 26, 595-612.	1.2	27
40	Immunomodulatory Properties of Nanoparticles Obtained by Ultrasonic Spray Pirolysis from Gold Scrap. Journal of Biomedical Nanotechnology, 2012, 8, 528-538.	0.5	16
41	Signaling through Toll-like receptor 3 and Dectin-1 potentiates the capability of human monocyte-derived dendritic cells to promote T-helper 1 and T-helper 17 immune responses. Cytotherapy, 2012, 14, 598-607.	0.3	19
42	Characterization and immunosuppressive properties of mesenchymal stem cells from periapical lesions. Journal of Clinical Periodontology, 2012, 39, 807-816.	2.3	40
43	Response of monocyte-derived dendritic cells to rapidly solidified nickel-titanium ribbons with shape memory properties. , 2012, 23, 58-80.		20
44	Immunomodulatory properties of nanoparticles obtained by ultrasonic spray pirolysis from gold scrap. Journal of Biomedical Nanotechnology, 2012, 8, 528-38.	0.5	4
45	Differences in T-helper polarizing capability between human monocyte-derived dendritic cells and monocyte-derived Langerhansâ€™-like cells. Immunology, 2011, 132, 217-225.	2.0	22
46	Immunomodulatory Properties of Mesenchymal Stem Cells Derived from Dental Pulp and Dental Follicle are Susceptible to Activation by Toll-Like Receptor Agonists. Stem Cells and Development, 2011, 20, 695-708.	1.1	157
47	3,10-Dihydroxy-decanoic acid, isolated from royal jelly, stimulates Th1 polarising capability of human monocyte-derived dendritic cells. Food Chemistry, 2011, 126, 1211-1217.	4.2	27
48	The response of peripheral blood mononuclear cells to shape memory alloys. International Journal of Immunological Studies, 2010, 1, 214.	0.2	2
49	The response of peritoneal macrophages to dapsone covalently attached on the surface of carbon nanotubes. Carbon, 2010, 48, 3066-3078.	5.4	41
50	The Response of Macrophages to a Cu-Al-Ni Shape Memory Alloy. Journal of Biomaterials Applications, 2010, 25, 269-286.	1.2	7