

Vladislav Volarevic

List of Publications by Year in descending order

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102
papers

6,047
citations

70961

41
h-index

74018

75
g-index

104
all docs

104
docs citations

104
times ranked

8778
citing authors

#	ARTICLE	IF	CITATIONS
1	Ethical and Safety Issues of Stem Cell-Based Therapy. <i>International Journal of Medical Sciences</i> , 2018, 15, 36-45.	1.1	507
2	Mesenchymal Stem Cell-Derived Exosomes and Other Extracellular Vesicles as New Remedies in the Therapy of Inflammatory Diseases. <i>Cells</i> , 2019, 8, 1605.	1.8	433
3	Molecular Mechanisms Responsible for Therapeutic Potential of Mesenchymal Stem Cell-Derived Secretome. <i>Cells</i> , 2019, 8, 467.	1.8	304
4	Molecular mechanisms of cisplatin-induced nephrotoxicity: a balance on the knife edge between renoprotection and tumor toxicity. <i>Journal of Biomedical Science</i> , 2019, 26, 25.	2.6	249
5	IL-33/ST2 axis in inflammation and immunopathology. <i>Immunologic Research</i> , 2012, 52, 89-99.	1.3	230
6	Mesenchymal stem cell-based therapy of osteoarthritis: Current knowledge and future perspectives. <i>Biomedicine and Pharmacotherapy</i> , 2019, 109, 2318-2326.	2.5	216
7	Concise Review: Mesenchymal Stem Cell Treatment of the Complications of Diabetes Mellitus. <i>Stem Cells</i> , 2011, 29, 5-10.	1.4	215
8	Concise Review: Therapeutic Potential of Mesenchymal Stem Cells for the Treatment of Acute Liver Failure and Cirrhosis. <i>Stem Cells</i> , 2014, 32, 2818-2823.	1.4	175
9	Mesenchymal Stem Cells: A Friend or Foe in Immune-Mediated Diseases. <i>Stem Cell Reviews and Reports</i> , 2015, 11, 280-287.	5.6	174
10	Interleukin-1 receptor antagonist (IL-1Ra) and IL-1Ra producing mesenchymal stem cells as modulators of diabetogenesis. <i>Autoimmunity</i> , 2010, 43, 255-263.	1.2	157
11	Mesenchymal Stem Cell-Based Therapy of Inflammatory Lung Diseases: Current Understanding and Future Perspectives. <i>Stem Cells International</i> , 2019, 2019, 1-14.	1.2	145
12	Protective role of IL-33/ST2 axis in Con A-induced hepatitis. <i>Journal of Hepatology</i> , 2012, 56, 26-33.	1.8	130
13	Mesenchymal stem cell-derived factors: Immuno-modulatory effects and therapeutic potential. <i>BioFactors</i> , 2017, 43, 633-644.	2.6	125
14	Risks of Using Sterilization by Gamma Radiation: The Other Side of the Coin. <i>International Journal of Medical Sciences</i> , 2018, 15, 274-279.	1.1	113
15	The roles of Galectin-3 in autoimmunity and tumor progression. <i>Immunologic Research</i> , 2012, 52, 100-110.	1.3	111
16	Human stem cell research and regenerative medicine—present and future. <i>British Medical Bulletin</i> , 2011, 99, 155-168.	2.7	93
17	Galectin-3 deficiency prevents concanavalin A-induced hepatitis in mice. <i>Hepatology</i> , 2012, 55, 1954-1964.	3.6	93
18	Human mesenchymal stem cells creating an immunosuppressive environment and promote breast cancer in mice. <i>Scientific Reports</i> , 2013, 3, 2298.	1.6	88

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19	Galectin-3 Plays an Important Pro-inflammatory Role in the Induction Phase of Acute Colitis by Promoting Activation of NLRP3 Inflammasome and Production of IL-1 β in Macrophages. <i>Journal of Crohn's and Colitis</i> , 2016, 10, 593-606.	0.6	87
20	Stem Cells Therapy for Spinal Cord Injury. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1039.	1.8	84
21	Stem Cells as New Agents for the Treatment of Infertility: Current and Future Perspectives and Challenges. <i>BioMed Research International</i> , 2014, 2014, 1-8.	0.9	83
22	Large Graphene Quantum Dots Alleviate Immune-Mediated Liver Damage. <i>ACS Nano</i> , 2014, 8, 12098-12109.	7.3	82
23	Molecular mechanisms underlying therapeutic potential of pericytes. <i>Journal of Biomedical Science</i> , 2018, 25, 21.	2.6	82
24	Molecular Mechanisms Responsible for Anti-inflammatory and Immunosuppressive Effects of Mesenchymal Stem Cell-Derived Factors. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1084, 187-206.	0.8	75
25	Therapeutic Potential of Mesenchymal Stem Cell-Derived Exosomes in the Treatment of Eye Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1089, 47-57.	0.8	71
26	Therapeutic Use of Mesenchymal Stem Cell-Derived Exosomes: From Basic Science to Clinics. <i>Pharmaceutics</i> , 2020, 12, 474.	2.0	67
27	Primordial Germ Cells: Current Knowledge and Perspectives. <i>Stem Cells International</i> , 2016, 2016, 1-8.	1.2	66
28	Mesenchymal stem cells attenuate acute liver injury by altering ratio between interleukin 17 producing and regulatory natural killer T cells. <i>Liver Transplantation</i> , 2017, 23, 1040-1050.	1.3	66
29	Mesenchymal stem cells attenuate liver fibrosis by suppressing Th17 cells - an experimental study. <i>Transplant International</i> , 2018, 31, 102-115.	0.8	66
30	The role of Interleukin 1 receptor antagonist in mesenchymal stem cell-based tissue repair and regeneration. <i>BioFactors</i> , 2020, 46, 263-275.	2.6	65
31	Deletion of IL-33R (ST2) Abrogates Resistance to EAE in BALB/C Mice by Enhancing Polarization of APC to Inflammatory Phenotype. <i>PLoS ONE</i> , 2012, 7, e45225.	1.1	65
32	Mesenchymal Stem Cell-Dependent Modulation of Liver Diseases. <i>International Journal of Biological Sciences</i> , 2017, 13, 1109-1117.	2.6	62
33	Therapeutic Potential of Mesenchymal Stem Cells and Their Secretome in the Treatment of Glaucoma. <i>Stem Cells International</i> , 2019, 2019, 1-11.	1.2	57
34	Cytotoxic Effects of Glass Ionomer Cements on Human Dental Pulp Stem Cells Correlate with Fluoride Release. <i>Medicinal Chemistry</i> , 2012, 8, 40-45.	0.7	53
35	Mesenchymal stem cells protect from acute liver injury by attenuating hepatotoxicity of liver natural killer T cells in an inducible nitric oxide synthase- and indoleamine 2,3-dioxygenase-dependent manner. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e1173-e1185.	1.3	53
36	The Cross-Talk between Mesenchymal Stem Cells and Immune Cells in Tissue Repair and Regeneration. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2472.	1.8	52

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37	Molecular and Cellular Mechanisms Involved in Mesenchymal Stem Cell-Based Therapy of Inflammatory Bowel Diseases. <i>Stem Cell Reviews and Reports</i> , 2018, 14, 153-165.	5.6	51
38	Modulation of autophagy as new approach in mesenchymal stem cell-based therapy. <i>Biomedicine and Pharmacotherapy</i> , 2018, 104, 404-410.	2.5	50
39	Low-dimensional compounds containing bioactive ligands. Part VI: Synthesis, structures, in vitro DNA binding, antimicrobial and anticancer properties of first row transition metal complexes with 5-chloro-quinolin-8-ol. <i>Journal of Inorganic Biochemistry</i> , 2016, 154, 67-77.	1.5	49
40	Stem Cell-Based Therapy for Spinal Cord Injury. <i>Cell Transplantation</i> , 2013, 22, 1309-1323.	1.2	47
41	Dental stem cells--characteristics and potential. <i>Histology and Histopathology</i> , 2014, 29, 699-706.	0.5	46
42	Crosstalk between mesenchymal stem cells and T regulatory cells is crucially important for the attenuation of acute liver injury. <i>Liver Transplantation</i> , 2018, 24, 687-702.	1.3	45
43	Gal-3 regulates the capacity of dendritic cells to promote NKT cell-induced liver injury. <i>European Journal of Immunology</i> , 2015, 45, 531-543.	1.6	41
44	Molecular and Cellular Mechanisms Responsible for Beneficial Effects of Mesenchymal Stem Cell-Derived Product "Exo-d-MAPPS" in Attenuation of Chronic Airway Inflammation. <i>Analytical Cellular Pathology</i> , 2020, 2020, 1-15.	0.7	38
45	Mesenchymal Stem Cell-Derived Exosomes as New Remedy for the Treatment of Neurocognitive Disorders. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1433.	1.8	38
46	Therapeutic Potential of Amniotic Fluid Derived Mesenchymal Stem Cells Based on their Differentiation Capacity and Immunomodulatory Properties. <i>Current Stem Cell Research and Therapy</i> , 2019, 14, 327-336.	0.6	38
47	Ligand substitution reactions and cytotoxic properties of [Au(L)Cl ₂] ⁺ and [AuCl ₂ (DMSO) ₂] ⁺ complexes (L=ethylenediamine and S-methyl-L-cysteine). <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 944-949.	1.5	37
48	SDF-1/CXCR4 signalling is involved in blood vessel growth and remodelling by intussusception. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 3916-3926.	1.6	37
49	Synchrotron Microbeam Radiation Therapy as a New Approach for the Treatment of Radioresistant Melanoma: Potential Underlying Mechanisms. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, 1126-1136.	0.4	36
50	Galectin 3 protects from cisplatin-induced acute kidney injury by promoting TLR-2-dependent activation of IDO1/Kynurenine pathway in renal DCs. <i>Theranostics</i> , 2019, 9, 5976-6001.	4.6	36
51	Intraperitoneal administration of mesenchymal stem cells ameliorates acute dextran sulfate sodium-induced colitis by suppressing dendritic cells. <i>Biomedicine and Pharmacotherapy</i> , 2018, 100, 426-432.	2.5	35
52	Metformin aggravates immune-mediated liver injury in mice. <i>Archives of Toxicology</i> , 2015, 89, 437-450.	1.9	34
53	Cytotoxicity of gold(III) Complexes on A549 Human Lung Carcinoma Epithelial Cell Line. <i>Medicinal Chemistry</i> , 2012, 8, 2-8.	0.7	32
54	Pharmacological Inhibition of Gal-3 in Mesenchymal Stem Cells Enhances Their Capacity to Promote Alternative Activation of Macrophages in Dextran Sulphate Sodium-Induced Colitis. <i>Stem Cells International</i> , 2016, 2016, 1-12.	1.2	32

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55	Mesenchymal Stem Cells Promote Metastasis of Lung Cancer Cells by Downregulating Systemic Antitumor Immune Response. <i>Stem Cells International</i> , 2017, 2017, 1-11.	1.2	32
56	Palladium(II) complexes with R2edda derived ligands. Part IV. O,O'-dialkyl esters of (S,S)-ethylenediamine-N,N'-di-2-(4-methyl)-pentanoic acid dihydrochloride and their palladium(II) complexes: Synthesis, characterization and in vitro antitumoral activity against chronic lymphocytic leukemia (CLL) cells. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 3601-3606.	2.6	31
57	Aging of Stem and Progenitor Cells: Mechanisms, Impact on Therapeutic Potential, and Rejuvenation. <i>Rejuvenation Research</i> , 2016, 19, 3-12.	0.9	31
58	Stem Cells and Labeling for Spinal Cord Injury. <i>International Journal of Molecular Sciences</i> , 2017, 18, 6.	1.8	31
59	Role of indoleamine 2,3-dioxygenase in pathology of the gastrointestinal tract. <i>Therapeutic Advances in Gastroenterology</i> , 2018, 11, 175628481881533.	1.4	27
60	Indoleamine 2,3-dioxygenase-dependent expansion of T-regulatory cells maintains mucosal healing in ulcerative colitis. <i>Therapeutic Advances in Gastroenterology</i> , 2018, 11, 175628481879355.	1.4	25
61	Therapeutic Potential of Mesenchymal Stem Cells and Their Secretome in the Treatment of SARS-CoV-2-Induced Acute Respiratory Distress Syndrome. <i>Analytical Cellular Pathology</i> , 2020, 2020, 1-11.	0.7	25
62	Mesenchymal Stem Cell: A Friend or Foe in Anti-Tumor Immunity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12429.	1.8	25
63	Newly Synthesized Heteronuclear Ruthenium(II)/Ferrocene Complexes Suppress the Growth of Mammary Carcinoma in 4T1-Treated BALB/c Mice by Promoting Activation of Antitumor Immunity. <i>Organometallics</i> , 2018, 37, 4250-4266.	1.1	24
64	Stereospecific ligands and their complexes. Part VII. Synthesis, characterization and in vitro antitumoral activity of platinum(II) complexes with O,O'-dialkyl esters of (S,S)-ethylenediamine-N,N'-di-2-(4-methyl)pentanoic acid. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 4559-4565.	2.6	22
65	In vitro and in vivo anti-tumor effects of selected platinum(IV) and dinuclear platinum(II) complexes against lung cancer cells. <i>Journal of Biological Inorganic Chemistry</i> , 2017, 22, 807-817.	1.1	19
66	Mesenchymal Stem Cells Attenuate Cisplatin-Induced Nephrotoxicity in iNOS-Dependent Manner. <i>Stem Cells International</i> , 2017, 2017, 1-15.	1.2	19
67	Electronic nicotine delivery systems exhibit reduced bronchial epithelial cells toxicity compared to cigarette: the Replica Project. <i>Scientific Reports</i> , 2021, 11, 24182.	1.6	19
68	Microbeam Radiotherapy – A Novel Therapeutic Approach to Overcome Radioresistance and Enhance Anti-Tumour Response in Melanoma. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7755.	1.8	18
69	Therapeutic Potential of Exosomes Derived from Adipose Tissue-Sourced Mesenchymal Stem Cells in the Treatment of Neural and Retinal Diseases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4487.	1.8	18
70	Therapeutic Potential of Exosomes Derived Multiple Allogeneic Proteins Paracrine Signaling: Exosomes d-MAPPS is Based on the Effects of Exosomes, Immunosuppressive and Trophic Factors. <i>Serbian Journal of Experimental and Clinical Research</i> , 2019, 20, 189-197.	0.2	17
71	Cytotoxic properties of platinum(IV) and dinuclear platinum(II) complexes and their ligand substitution reactions with guanosine-5'-monophosphate. <i>Transition Metal Chemistry</i> , 2012, 37, 481-488.	0.7	16
72	Galectin-3 Regulates Indoleamine-2,3-dioxygenase-Dependent Cross-Talk between Colon-Infiltrating Dendritic Cells and T Regulatory Cells and May Represent a Valuable Biomarker for Monitoring the Progression of Ulcerative Colitis. <i>Cells</i> , 2019, 8, 709.	1.8	16

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73	Mesenchymal Stem Cells as New Therapeutic Agents for the Treatment of Primary Biliary Cholangitis. <i>Analytical Cellular Pathology</i> , 2017, 2017, 1-9.	0.7	12
74	Low-dimensional compounds containing bioactive ligands. Part IX: Synthesis, structures, spectra, in vitro antimicrobial and anti-tumor activities and DNA binding of Pd(II) complexes with 7-bromo-quinolin-8-ol. <i>Polyhedron</i> , 2017, 135, 195-205.	1.0	10
75	Low-dimensional compounds containing bioactive ligands. Part XI: Synthesis, structures, spectra, in vitro anti-tumor and antimicrobial activities of 3d metal complexes with 8-hydroxyquinoline-5-sulfonic acid. <i>Inorganica Chimica Acta</i> , 2019, 497, 119062.	1.2	10
76	The Effects of Mesenchymal Stem Cells on Antimelanoma Immunity Depend on the Timing of Their Administration. <i>Stem Cells International</i> , 2020, 2020, 1-13.	1.2	10
77	Stereospecific ligands and their complexes. Part X: Synthesis, characterization and in vitro antitumoral activity of platinum(IV) complexes with O,O'-dialkyl-(S,S)-ethylenediamine-N,N'-di-2-(4-methyl)pentanoate ligands. <i>Inorganica Chimica Acta</i> , 2012, 390, 123-128.	1.2	9
78	Molecular Mechanisms Responsible for Mesenchymal Stem Cell-Based Treatment of Viral Diseases. <i>Pathogens</i> , 2021, 10, 409.	1.2	9
79	Continuous controllable balloon dilation: a novel approach for cervix dilation. <i>Trials</i> , 2012, 13, 196.	0.7	6
80	Cytotoxicity of palladium(II) complexes with some alkyl derivatives of thiosalicylic acid. Crystal structure of the bis(S-butyl-thiosalicylate)palladium(II) complex, [Pd(S-bu-thiosal) ₂]. <i>Polyhedron</i> , 2015, 90, 34-40.	1.0	6
81	Stereospecific ligands and their complexes. Part XV. Synthesis, characterization and cytotoxicity of novel platinum(IV) complexes with some esters of ethylenediamine-N,N'-di-S,S-(2,2'-dibenzyl)acetic acid. Crystal structure of O,O'-dipropyl-ethylenediamine-N,N'-di-S,S-(2,2'-dibenzyl)acetate dihydrochloride. <i>Inorganica Chimica Acta</i> , 2013, 402, 83-89.	1.2	5
82	Low-dimensional compounds containing bioactive ligands. Part XIII: Square planar anti-cancer Pd(II) complexes with halogenderivatives of 8-quinolinol and dimethylamine. <i>Polyhedron</i> , 2020, 184, 114535.	1.0	5
83	Apoptosis: A friend or foe in mesenchymal stem cell-based immunosuppression. <i>Advances in Protein Chemistry and Structural Biology</i> , 2021, 126, 39-62.	1.0	5
84	Therapeutic Potential of α -Derived-Multiple Allogeneic Proteins Paracrine Signaling-D-Mapps in the Treatment of Dry Eye Disease. <i>Serbian Journal of Experimental and Clinical Research</i> , 2021, .	0.2	5
85	Mesenchymal Stem Cells for Diabetes and Related Complications. , 2013, , 207-227.		4
86	Stem Cell-Based Therapy in Transplantation and Immune-Mediated Diseases. <i>Stem Cells International</i> , 2017, 2017, 1-3.	1.2	4
87	Exo-D-MAPPS Attenuates Production of Inflammatory Cytokines and Promoted Generation of Immunosuppressive Phenotype in Peripheral Blood Mononuclear Cells. <i>Serbian Journal of Experimental and Clinical Research</i> , 2019, .	0.2	4
88	Low-dimensional compounds containing bioactive ligands. Part XVII: Synthesis, structural, spectral and biological properties of hybrid organic-inorganic complexes based on [PdCl ₄] ²⁻ with derivatives of 8-hydroxyquinolinium. <i>Journal of Inorganic Biochemistry</i> , 2022, 228, 111697.	1.5	4
89	Low-dimensional compounds containing bioactive ligands. Part XVI: Halogenated derivatives of 8-quinolinol N-oxides and their copper(II) complexes. <i>Journal of Molecular Structure</i> , 2021, 1246, 131144.	1.8	2
90	Fluoride release from glass ionomer cements correlates with the necrotic death of human dental pulp stem cells. <i>Serbian Journal of Experimental and Clinical Research</i> , 2011, 12, 67-70.	0.2	2

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91	Autoimmune Disorders in Galectin-3 Deficient Mice. ACS Symposium Series, 2012, , 359-376.	0.5	1
92	Stem Cells, Inflammation, and Fibrosis. Stem Cells International, 2016, 2016, 1-2.	1.2	1
93	The effects of cigarette smoking and nicotine on the therapeutic potential of mesenchymal stem cells. Histology and Histopathology, 2021, , 18400.	0.5	1
94	Galectin 3 (LGALS3) Gene Polymorphisms Are Associated with Biochemical Parameters and Primary Disease in Patients with End-Stage Renal Disease in Serbian Population. Journal of Clinical Medicine, 2022, 11, 3874.	1.0	1
95	The Role of Autophagy in Immunity and Autoimmune Diseases / Uloga Autofagije U Imunskom Odgovoru I Autoimunskim Bolestima. Serbian Journal of Experimental and Clinical Research, 2014, 15, 223-229.	0.2	0
96	Stem Cells: New Hope For Spinal Cord Injury. Serbian Journal of Experimental and Clinical Research, 2015, 16, 3-8.	0.2	0
97	The Role of Autophagy in Mesenchymal Stem Cell-Based Suppression of Immune Response. Pancreatic Islet Biology, 2018, , 119-133.	0.1	0
98	Use of Mesenchymal Stem Cells in Inflammatory Bowel Disease. Stem Cells in Clinical Applications, 2019, , 125-138.	0.4	0
99	Bacterial Flora Play Important Roles in Acute Dextran Sulphate Sodium-Induced Colitis But Are Not Involved in Gal-3 Dependent Modulation of Colon Inflammation. Serbian Journal of Experimental and Clinical Research, 2017, 18, 213-220.	0.2	0
100	Mesenchymal Stem Cells Attenuate Acute Liver Failure by Promoting Expansion of Regulatory T Cells in an Indoleamine 2,3-Dioxygenase-Dependent Manner. Serbian Journal of Experimental and Clinical Research, 2020, 21, 257-262.	0.2	0
101	Electronic Nicotine Delivery Systems Exhibit Lower Toxicity Compared to Cigarettes: "The Replica Study Experience" FASEB Journal, 2022, 36, .	0.2	0
102	"Derived Multiple Allogeneic Protein Paracrine Signaling (d-MAPPS)" Enhances T Cell-Driven Immune Response to Murine Mammary Carcinoma. Analytical Cellular Pathology, 2022, 2022, 1-10.	0.7	0