Vladislav Volarevic

List of Publications by Year
in descending order

102 papers	6,047 citations	71102 41 h-index	74163 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. International Journal of Medical Sciences, 2018, 15, 36-45.	2.5	507
2	Mesenchymal Stem Cell-Derived Exosomes and Other Extracellular Vesicles as New Remedies in the Therapy of Inflammatory Diseases. Cells, 2019, 8, 1605.	4.1	433
3	Molecular Mechanisms Responsible for Therapeutic Potential of Mesenchymal Stem Cell-Derived Secretome. Cells, 2019, 8, 467.	4.1	304
4	Molecular mechanisms of cisplatin-induced nephrotoxicity: a balance on the knife edge between renoprotection and tumor toxicity. Journal of Biomedical Science, 2019, 26, 25.	7.0	249
5	IL-33/ST2 axis in inflammation and immunopathology. Immunologic Research, 2012, 52, 89-99.	2.9	230
6	Mesenchymal stem cell-based therapy of osteoarthritis: Current knowledge and future perspectives. Biomedicine and Pharmacotherapy, 2019, 109, 2318-2326.	5.6	216
7	Concise Review: Mesenchymal Stem Cell Treatment of the Complications of Diabetes Mellitus. Stem Cells, 2011, 29, 5-10.	3.2	215
8	Concise Review: Therapeutic Potential of Mesenchymal Stem Cells for the Treatment of Acute Liver Failure and Cirrhosis. Stem Cells, 2014, 32, 2818-2823.	3.2	175
9	Mesenchymal Stem Cells: A Friend or Foe in Immune-Mediated Diseases. Stem Cell Reviews and Reports, 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. Autoimmunity, 2010, 43, 255-263.	2.6	157
11	Mesenchymal Stem Cell-Based Therapy of Inflammatory Lung Diseases: Current Understanding and Future Perspectives. Stem Cells International, 2019, 2019, 1-14.	2.5	145
12	Protective role of IL-33/ST2 axis in Con A-induced hepatitis. Journal of Hepatology, 2012, 56, 26-33.	3.7	130
13	Mesenchymal stem cellâ€derived factors: Immunoâ€modulatory effects and therapeutic potential. BioFactors, 2017, 43, 633-644.	5.4	125
14	Risks of Using Sterilization by Gamma Radiation: The Other Side of the Coin. International Journal of Medical Sciences, 2018, 15, 274-279.	2.5	113
15	The roles of Galectin-3 in autoimmunity and tumor progression. Immunologic Research, 2012, 52, 100-110.	2.9	111
16	Human stem cell research and regenerative medicine–present and future. British Medical Bulletin, 2011, 99, 155-168.	6.9	93
17	Galectin-3 deficiency prevents concanavalin A-induced hepatitis in mice. Hepatology, 2012, 55, 1954-1964.	7.3	93
18	Human mesenchymal stem cells creating an immunosuppressive environment and promote breast cancer in mice. Scientific Reports, 2013, 3, 2298.	3.3	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-1Î² in Macrophages. Journal of Crohn's and Colitis, 2016, 10, 593-606.	1.3	87
20	Stem Cells Therapy for Spinal Cord Injury. International Journal of Molecular Sciences, 2018, 19, 1039.	4.1	84
21	Stem Cells as New Agents for the Treatment of Infertility: Current and Future Perspectives and Challenges. BioMed Research International, 2014, 2014, 1-8.	1.9	83
22	Large Graphene Quantum Dots Alleviate Immune-Mediated Liver Damage. ACS Nano, 2014, 8, 12098-12109.	14.6	82
23	Molecular mechanisms underlying therapeutic potential of pericytes. Journal of Biomedical Science, 2018, 25, 21.	7.0	82
24	Molecular Mechanisms Responsible for Anti-inflammatory and Immunosuppressive Effects of Mesenchymal Stem Cell-Derived Factors. Advances in Experimental Medicine and Biology, 2018, 1084, 187-206.	1.6	75
25	Therapeutic Potential of Mesenchymal Stem Cell-Derived Exosomes in the Treatment of Eye Diseases. Advances in Experimental Medicine and Biology, 2018, 1089, 47-57.	1.6	71
26	Therapeutic Use of Mesenchymal Stem Cell-Derived Exosomes: From Basic Science to Clinics. Pharmaceutics, 2020, 12, 474.	4.5	67
27	Primordial Germ Cells: Current Knowledge and Perspectives. Stem Cells International, 2016, 2016, 1-8.	2.5	66
28	Mesenchymal stem cells attenuate acute liver injury by altering ratio between interleukin 17 producing and regulatory natural killer T cells. Liver Transplantation, 2017, 23, 1040-1050.	2.4	66
29	Mesenchymal stem cells attenuate liver fibrosis by suppressing Th17 cells - an experimental study. Transplant International, 2018, 31, 102-115.	1.6	66
30	The role of Interleukin 1 receptor antagonist in mesenchymal stem cellâ€based tissue repair and regeneration. BioFactors, 2020, 46, 263-275.	5.4	65
31	Deletion of IL-33R (ST2) Abrogates Resistance to EAE in BALB/C Mice by Enhancing Polarization of APC to Inflammatory Phenotype. PLoS ONE, 2012, 7, e45225.	2.5	65
32	Mesenchymal Stem Cell-Dependent Modulation of Liver Diseases. International Journal of Biological Sciences, 2017, 13, 1109-1117.	6.4	62
33	Therapeutic Potential of Mesenchymal Stem Cells and Their Secretome in the Treatment of Glaucoma. Stem Cells International, 2019, 2019, 1-11.	2.5	57
34	Cytotoxic Effects of Glass Ionomer Cements on Human Dental Pulp Stem Cells Correlate with Fluoride Release. Medicinal Chemistry, 2012, 8, 40-45.	1.5	53
35	Mesenchymal stem cells protect from acute liver injury by attenuating hepatotoxicity of liver natural killer T cells in an inducible nitric oxide synthaseâ€and indoleamine 2,3â€dioxygenaseâ€dependent manner. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e1173-e1185.	2.7	53
36	The Cross-Talk between Mesenchymal Stem Cells and Immune Cells in Tissue Repair and Regeneration. International Journal of Molecular Sciences, 2021, 22, 2472.	4.1	52

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37	Molecular and Cellular Mechanisms Involved in Mesenchymal Stem Cell-Based Therapy of Inflammatory Bowel Diseases. Stem Cell Reviews and Reports, 2018, 14, 153-165.	5.6	51
38	Modulation of autophagy as new approach in mesenchymal stem cell-based therapy. Biomedicine and Pharmacotherapy, 2018, 104, 404-410.	5.6	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. Journal of Inorganic Biochemistry, 2016, 154, 67-77.	3.5	49
40	Stem Cell-Based Therapy for Spinal Cord Injury. Cell Transplantation, 2013, 22, 1309-1323.	2.5	47
41	Dental stem cells--characteristics and potential. Histology and Histopathology, 2014, 29, 699-706.	0.7	46
42	Crosstalk between mesenchymal stem cells and T regulatory cells is crucially important for the attenuation of acute liver injury. Liver Transplantation, 2018, 24, 687-702.	2.4	45
43	Galâ€3 regulates the capacity of dendritic cells to promote NKTâ€cellâ€induced liver injury. European Journal of Immunology, 2015, 45, 531-543.	2.9	41
44	Molecular and Cellular Mechanisms Responsible for Beneficial Effects of Mesenchymal Stem Cell-Derived Product â€œExo-d-MAPPSâ€•in Attenuation of Chronic Airway Inflammation. Analytical Cellular Pathology, 2020, 2020, 1-15.	1.4	38
45	Mesenchymal Stem Cell-Derived Exosomes as New Remedy for the Treatment of Neurocognitive Disorders. International Journal of Molecular Sciences, 2021, 22, 1433.	4.1	38
46	Therapeutic Potential of Amniotic Fluid Derived Mesenchymal Stem Cells Based on their Differentiation Capacity and Immunomodulatory Properties. Current Stem Cell Research and Therapy, 2019, 14, 327-336.	1.3	38
47	Ligand substitution reactions and cytotoxic properties of [Au(L)Cl2]+ and [AuCl2(DMSO)2]+ complexes (L=ethylenediamine and S-methyl-l-cysteine). Journal of Inorganic Biochemistry, 2010, 104, 944-949.	3.5	37
48	SDFâ€1/CXCR4 signalling is involved in blood vessel growth and remodelling by intussusception. Journal of Cellular and Molecular Medicine, 2019, 23, 3916-3926.	3.6	37
49	Synchrotron Microbeam Radiation Therapy as a New Approach for the Treatment of Radioresistant Melanoma: Potential Underlying Mechanisms. International Journal of Radiation Oncology Biology Physics, 2019, 105, 1126-1136.	0.8	36
50	Galectin 3 protects from cisplatin-induced acute kidney injury by promoting TLR-2-dependent activation of IDO1/Kynurenine pathway in renal DCs. Theranostics, 2019, 9, 5976-6001.	10.0	36
51	Intraperitoneal administration of mesenchymal stem cells ameliorates acute dextran sulfate sodium-induced colitis by suppressing dendritic cells. Biomedicine and Pharmacotherapy, 2018, 100, 426-432.	5.6	35
52	Metformin aggravates immune-mediated liver injury in mice. Archives of Toxicology, 2015, 89, 437-450.	4.2	34
53	Cytotoxicity of gold(III) Complexes on A549 Human Lung Carcinoma Epithelial Cell Line. Medicinal Chemistry, 2012, 8, 2-8.	1.5	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. Stem Cells International, 2016, 2016, 1-12.	2.5	32

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55	Mesenchymal Stem Cells Promote Metastasis of Lung Cancer Cells by Downregulating Systemic Antitumor Immune Response. Stem Cells International, 2017, 2017, 1-11.	2.5	32
56	Palladium(II) complexes with R2edda derived ligands. Part IV. O,Oâ€²-dialkyl esters of (S,S)-ethylenediamine-N,Nâ€²-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. European Journal of Medicinal Chemistry, 2010, 45, 3601-3606.	5.5	31
57	Aging of Stem and Progenitor Cells: Mechanisms, Impact on Therapeutic Potential, and Rejuvenation. Rejuvenation Research, 2016, 19, 3-12.	1.8	31
58	Stem Cells and Labeling for Spinal Cord Injury. International Journal of Molecular Sciences, 2017, 18, 6.	4.1	31
59	Role of indoleamine 2,3-dioxygenase in pathology of the gastrointestinal tract. Therapeutic Advances in Gastroenterology, 2018, 11, 175628481881533.	3.2	27
60	Indoleamine 2,3-dioxygenase-dependent expansion of T-regulatory cells maintains mucosal healing in ulcerative colitis. Therapeutic Advances in Gastroenterology, 2018, 11, 175628481879355.	3.2	25
61	Therapeutic Potential of Mesenchymal Stem Cells and Their Secretome in the Treatment of SARS-CoV-2-Induced Acute Respiratory Distress Syndrome. Analytical Cellular Pathology, 2020, 2020, 1-11.	1.4	25
62	Mesenchymal Stem Cell: A Friend or Foe in Anti-Tumor Immunity. International Journal of Molecular Sciences, 2021, 22, 12429.	4.1	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. Organometallics, 2018, 37, 4250-4266.	2.3	24
64	Stereospecific ligands and their complexes. Part VII. Synthesis, characterization and inÂvitro antitumoral activity of platinum(II) complexes with O,Oâ€²-dialkyl esters of (S,S)-ethylenediamine-N,Nâ€²-di-2-(4-methyl)pentanoic acid. European Journal of Medicinal Chemistry, 2011, 46, 4559-4565.	5.5	22
65	In vitro and in vivo anti-tumor effects of selected platinum(IV) and dinuclear platinum(II) complexes against lung cancer cells. Journal of Biological Inorganic Chemistry, 2017, 22, 807-817.	2.6	19
66	Mesenchymal Stem Cells Attenuate Cisplatin-Induced Nephrotoxicity in iNOS-Dependent Manner. Stem Cells International, 2017, 2017, 1-15.	2.5	19
67	Electronic nicotine delivery systems exhibit reduced bronchial epithelial cells toxicity compared to cigarette: the Replica Project. Scientific Reports, 2021, 11, 24182.	3.3	19
68	Microbeam Radiotherapyâ€"A Novel Therapeutic Approach to Overcome Radioresistance and Enhance Anti-Tumour Response in Melanoma. International Journal of Molecular Sciences, 2021, 22, 7755.	4.1	18
69	Therapeutic Potential of Exosomes Derived from Adipose Tissue-Sourced Mesenchymal Stem Cells in the Treatment of Neural and Retinal Diseases. International Journal of Molecular Sciences, 2022, 23, 4487.	4.1	18
70	Therapeutic Potential of â€œExosomes Derived Multiple Allogeneic Proteins Paracrine Signaling: Exosomes d-MAPPSâ€•is Based on the Effects of Exosomes, Immunosuppressive and Trophic Factors. Serbian Journal of Experimental and Clinical Research, 2019, 20, 189-197.	0.1	17
71	Cytotoxic properties of platinum(IV) and dinuclear platinum(II) complexes and their ligand substitution reactions with guanosine-5â€²-monophosphate. Transition Metal Chemistry, 2012, 37, 481-488.	1.4	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. Cells, 2019, 8, 709.	4.1	16

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73	Mesenchymal Stem Cells as New Therapeutic Agents for the Treatment of Primary Biliary Cholangitis. Analytical Cellular Pathology, 2017, 2017, 1-9.	1.4	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. Polyhedron, 2017, 135, 195-205.	2.2	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. Inorganica Chimica Acta, 2019, 497, 119062.	2.4	10
76	The Effects of Mesenchymal Stem Cells on Antimelanoma Immunity Depend on the Timing of Their Administration. Stem Cells International, 2020, 2020, 1-13.	2.5	10
77	Stereospecific ligands and their complexes. Part X: Synthesis, characterization and in vitro antitumoral activity of platinum(IV) complexes with O,Oâ€²-dialkyl-(S,S)-ethylenediamine-N,Nâ€²-di-2-(4-methyl)pentanoate ligands. Inorganica Chimica Acta, 2012, 390, 123-128.	2.4	9
78	Molecular Mechanisms Responsible for Mesenchymal Stem Cell-Based Treatment of Viral Diseases. Pathogens, 2021, 10, 409.	2.8	9
79	Continuous controllable balloon dilation: a novel approach for cervix dilation. Trials, 2012, 13, 196.	1.6	6
80	Cytotoxicity of palladium(II) complexes with some alkyl derivates of thiosalicylic acid. Crystal structure of the bis(S-butyl-thiosalicylate)palladium(II) complex, [Pd(S-bu-thiosal)2]. Polyhedron, 2015, 90, 34-40.	2.2	6
81	Stereospecific ligands and their complexes. Part XV. Synthesis, characterization and cytotoxicity of novel platinum(IV) complexes with some esters of ethylenediamine-N,,Nâ€™Nâ€²-di-S,,S-(2,2â€²â€™-dibenzyl)acetic acid. Crystal structure of O,,Oâ€²â€™-dipropyl-ethylenediamine--N,,Nâ€²â€™-di-S,,S-(2,2â€²â€™-dibenzyl)acetate dihydrochloride. Inorganica Chimica Acta, 2013, 402, 83-89.	2.4	5
82	Low-dimensional compounds containing bioactive ligands. Part XIII: Square planar anti-cancer Pd(II) complexes with halogenderivatives of 8-quinolinol and dimethylamine. Polyhedron, 2020, 184, 114535.	2.2	5
83	Apoptosis: A friend or foe in mesenchymal stem cell-based immunosuppression. Advances in Protein Chemistry and Structural Biology, 2021, 126, 39-62.	2.3	5
84	Therapeutic Potential of â€žDerived-Multiple Allogeneic Proteins Paracrine Signaling-D-Mappsâ€•in the Treatment of Dry Eye Disease. Serbian Journal of Experimental and Clinical Research, 2021, .	0.1	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. Stem Cells International, 2017, 2017, 1-3.	2.5	4
87	Exo-D-MAPPS Attenuates Production of Inflammatory Cytokines and Promoted Generation of Immunosuppressive Phenotype in Peripheral Blood Mononuclear Cells. Serbian Journal of Experimental and Clinical Research, 2019, .	0.1	4
88	Low-dimensional compounds containing bioactive ligands. Part XVII: Synthesis, structural, spectral and biological properties of hybrid organic-inorganic complexes based on [PdCl4]2âˆ’ with derivatives of 8-hydroxyquinolinium. Journal of Inorganic Biochemistry, 2022, 228, 111697.	3.5	4
89	Low-dimensional compounds containing bioactive ligands. Part XVI: Halogenated derivatives of 8-quinolinol N-oxides and their copper(II) complexes. Journal of Molecular Structure, 2021, 1246, 131144.	3.6	2
90	Fluoride release from glass ionomer cements correlates with the necrotic death of human dental pulp stem cells. Serbian Journal of Experimental and Clinical Research, 2011, 12, 67-70.	0.1	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.	2.5	1
93	The effects of cigarette smoking and nicotine on the therapeutic potential of mesenchymal stem cells. Histology and Histopathology, 2021, , 18400.	0.7	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.	2.4	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.	0.1	0
96	Stem Cells: New Hope For Spinal Cord Injury. Serbian Journal of Experimental and Clinical Research, 2015, 16, 3-8.	0.1	0
97	The Role of Autophagy in Mesenchymal Stem Cell-Based Suppression of Immune Response. Pancreatic Islet Biology, 2018, , 119-133.	0.3	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.	0.1	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.	0.1	0
101	Electronic Nicotine Delivery Systems Exhibit LowerToxicity Compared to Cigarettes: â€œThe Replica Study Experienceâ€• FASEB Journal, 2022, 36, .	0.5	0
102	â€œDerived Multiple Allogeneic Protein Paracrine Signaling (d-MAPPS)â€•Enhances T Cell-Driven Immune Response to Murine Mammary Carcinoma. Analytical Cellular Pathology, 2022, 2022, 1-10.	1.4	0