

Sanja A Mijatovic

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85
papers

3,301
citations

28
h-index

56
g-index

95
ext. papers

3,684
ext. citations

4.7
avg, IF

4.56
L-index

#	Paper	IF	Citations
85	Ras/Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR inhibitors: rationale and importance to inhibiting these pathways in human health. <i>Oncotarget</i> , 2011 , 2, 135-64	3.3	456
84	Roles of the Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR pathways in controlling growth and sensitivity to therapy-implications for cancer and aging. <i>Aging</i> , 2011 , 3, 192-222	5.6	437
83	Ras/Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR cascade inhibitors: how mutations can result in therapy resistance and how to overcome resistance. <i>Oncotarget</i> , 2012 , 3, 1068-111	3.3	250
82	Mutations and deregulation of Ras/Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR cascades which alter therapy response. <i>Oncotarget</i> , 2012 , 3, 954-87	3.3	214
81	Deregulation of the EGFR/PI3K/PTEN/Akt/mTORC1 pathway in breast cancer: possibilities for therapeutic intervention. <i>Oncotarget</i> , 2014 , 5, 4603-50	3.3	179
80	Therapeutic resistance resulting from mutations in Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR signaling pathways. <i>Journal of Cellular Physiology</i> , 2011 , 226, 2762-81	7	124
79	On the discovery, biological effects, and use of Cisplatin and metallocenes in anticancer chemotherapy. <i>Bioinorganic Chemistry and Applications</i> , 2012 , 2012, 140284	4.2	78
78	Anti-glioma action of aloe emodin: the role of ERK inhibition. <i>Cellular and Molecular Life Sciences</i> , 2005 , 62, 589-98	10.3	76
77	Organotin(IV)-loaded mesoporous silica as a biocompatible strategy in cancer treatment. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5982-7	16.4	67
76	Anticancer properties of the novel nitric oxide-donating compound (S,R)-3-phenyl-4,5-dihydro-5-isoxazole acetic acid-nitric oxide in vitro and in vivo. <i>Molecular Cancer Therapeutics</i> , 2008 , 7, 510-20	6.1	64
75	Anticancer properties of Ganoderma lucidum methanol extracts in vitro and in vivo. <i>Nutrition and Cancer</i> , 2009 , 61, 696-707	2.8	58
74	Anti-tumor effect of Coriolus versicolor methanol extract against mouse B16 melanoma cells: in vitro and in vivo study. <i>Food and Chemical Toxicology</i> , 2008 , 46, 1825-33	4.7	56
73	Aloe emodin decreases the ERK-dependent anticancer activity of cisplatin. <i>Cellular and Molecular Life Sciences</i> , 2005 , 62, 1275-82	10.3	55
72	HIV-protease inhibitors for the treatment of cancer: Repositioning HIV protease inhibitors while developing more potent NO-hybridized derivatives?. <i>International Journal of Cancer</i> , 2017 , 140, 1713-1726	7.5	53
71	Strain difference in susceptibility to experimental autoimmune encephalomyelitis between Albino Oxford and Dark Agouti rats correlates with disparity in production of IL-17, but not nitric oxide. <i>Journal of Neuroscience Research</i> , 2006 , 84, 379-88	4.4	46
70	Resistance to TRAIL and how to surmount it. <i>Immunologic Research</i> , 2012 , 52, 157-68	4.3	44
69	Versatile antitumor potential of isoxanthohumol: Enhancement of paclitaxel activity in vivo. <i>Pharmacological Research</i> , 2016 , 105, 62-73	10.2	43

68	Multiple antimelanoma potential of dry olive leaf extract. <i>International Journal of Cancer</i> , 2011 , 128, 1955-65	7.5	43
67	Extracellular iron diminishes anticancer effects of vitamin C: an in vitro study. <i>Scientific Reports</i> , 2014 , 4, 5955	4.9	40
66	Advances in targeting signal transduction pathways. <i>Oncotarget</i> , 2012 , 3, 1505-21	3.3	39
65	Targeting the cancer initiating cell: the ultimate target for cancer therapy. <i>Current Pharmaceutical Design</i> , 2012 , 18, 1784-95	3.3	36
64	In vitro and in vivo anticancer action of Saquinavir-NO, a novel nitric oxide-derivative of the protease inhibitor saquinavir, on hormone resistant prostate cancer cells. <i>Cell Cycle</i> , 2011 , 10, 492-9	4.7	36
63	Lopinavir-NO, a nitric oxide-releasing HIV protease inhibitor, suppresses the growth of melanoma cells in vitro and in vivo. <i>Investigational New Drugs</i> , 2019 , 37, 1014-1028	4.3	35
62	The antitumor properties of a nontoxic, nitric oxide-modified version of saquinavir are independent of Akt. <i>Molecular Cancer Therapeutics</i> , 2009 , 8, 1169-78	6.1	33
61	Platinum(II/IV) complexes containing ethylenediamine-N,NRdi-2/3-propionate ester ligands induced caspase-dependent apoptosis in cisplatin-resistant colon cancer cells. <i>Metallomics</i> , 2012 , 4, 979-87	4.5	32
60	Aloe emodin inhibits the cytotoxic action of tumor necrosis factor. <i>European Journal of Pharmacology</i> , 2007 , 568, 248-59	5.3	32
59	Anticancer and Differentiation Properties of the Nitric Oxide Derivative of Lopinavir in Human Glioblastoma Cells. <i>Molecules</i> , 2018 , 23,	4.8	32
58	The Double-Faced Role of Nitric Oxide and Reactive Oxygen Species in Solid Tumors. <i>Antioxidants</i> , 2020 , 9,	7.1	31
57	Antiproliferative activity of ruthenium(ii) arene complexes with mono- and bidentate pyridine-based ligands. <i>Dalton Transactions</i> , 2016 , 45, 13114-25	4.3	28
56	A Key Role of Autophagy in Osteoblast Differentiation on Titanium-Based Dental Implants. <i>Cells Tissues Organs</i> , 2014 , 200, 265-77	2.1	26
55	Novel methylene modified cyclohexyl ethylenediamine-N,NRdiacetate ligands and their platinum(IV) complexes. Influence on biological activity. <i>Journal of Inorganic Biochemistry</i> , 2012 , 109, 40-8	4.2	25
54	The NO-modified HIV protease inhibitor as a valuable drug for hematological malignancies: Role of p70S6K. <i>Leukemia Research</i> , 2015 , 39, 1088-95	2.7	24
53	Evaluation of functionalized mesoporous silica SBA-15 as a carrier system for PhSn(CH)OH against the A2780 ovarian carcinoma cell line. <i>Dalton Transactions</i> , 2016 , 45, 18984-18993	4.3	24
52	Therapeutic potential of nitric oxide-modified drugs in colon cancer cells. <i>Molecular Pharmacology</i> , 2012 , 82, 700-10	4.3	24
51	Novel nitric oxide-donating compound (S,R)-3-phenyl-4,5-dihydro-5-isoxazole acetic acid-nitric oxide (GIT-27NO) induces p53 mediated apoptosis in human A375 melanoma cells. <i>Nitric Oxide - Biology and Chemistry</i> , 2008 , 19, 177-83	5	24

50	Ruthenium(II) p-cymene complex bearing 2,2'-dipyridylamine targets caspase 3 deficient MCF-7 breast cancer cells without disruption of antitumor immune response. <i>Journal of Inorganic Biochemistry</i> , 2015 , 153, 315-321	4.2	23
49	Cell-type dependent response of melanoma cells to aloe emodin. <i>Food and Chemical Toxicology</i> , 2012 , 50, 3181-9	4.7	23
48	Cytotoxic and immune-sensitizing properties of nitric oxide-modified Saquinavir in iNOS-positive human melanoma cells. <i>Journal of Cellular Physiology</i> , 2011 , 226, 1803-12	7	23
47	Drug Delivery System for Emodin Based on Mesoporous Silica SBA-15. <i>Nanomaterials</i> , 2018 , 8,	5.4	20
46	Naturally occurring compounds in differentiation based therapy of cancer. <i>Biotechnology Advances</i> , 2018 , 36, 1622-1632	17.8	18
45	Membrane fluidity, invasiveness and dynamic phenotype of metastatic prostate cancer cells after treatment with soy isoflavones. <i>Journal of Membrane Biology</i> , 2013 , 246, 307-14	2.3	16
44	Biological activity of neutral and cationic iridium(III) complexes with β and β,β coordinated Ph β CH β (O) \times Ph (\times = 0-2) ligands. <i>European Journal of Medicinal Chemistry</i> , 2013 , 69, 216-22	6.8	16
43	Unique antineoplastic profile of Saquinavir-NO, a novel NO-derivative of the protease inhibitor Saquinavir, on the in vitro and in vivo tumor formation of A375 human melanoma cells. <i>Oncology Reports</i> , 2012 , 28, 682-8	3.5	16
42	The interaction between SBA-15 derivative loaded with PhSn(CH) β OH and human melanoma A375 cell line: uptake and stem phenotype loss. <i>Journal of Biological Inorganic Chemistry</i> , 2019 , 24, 223-234	3.7	15
41	Antiproliferative activity of (Ebrene)ruthenacarborane sandwich complexes against HCT116 and MCF7 cell lines. <i>Dalton Transactions</i> , 2017 , 46, 12067-12080	4.3	14
40	Melanoma tumor inhibition by tetrachlorido(O,ORdibutyl-ethylenediamine-N,NRdi-3-propionate)platinum(IV) complex: in vitro and in vivo investigations. <i>Metallomics</i> , 2012 , 4, 1155-9	4.5	14
39	Saquinavir-NO-targeted S6 protein mediates sensitivity of androgen-dependent prostate cancer cells to TRAIL. <i>Cell Cycle</i> , 2012 , 11, 1174-82	4.7	12
38	Carboranyl Analogues of Celecoxib with Potent Cytostatic Activity against Human Melanoma and Colon Cancer Cell Lines. <i>ChemMedChem</i> , 2019 , 14, 315-321	3.7	12
37	Senescence as a main mechanism of Ritonavir and Ritonavir-NO action against melanoma. <i>Molecular Carcinogenesis</i> , 2019 , 58, 1362-1375	5	11
36	The hop-derived prenylflavonoid isoxanthohumol inhibits the formation of lung metastasis in B16-F10 murine melanoma model. <i>Food and Chemical Toxicology</i> , 2019 , 129, 257-268	4.7	11
35	The novel NO-donating compound GIT-27NO inhibits in vivo growth of human prostate cancer cells and prevents murine immunoinflammatory hepatitis. <i>European Journal of Pharmacology</i> , 2009 , 615, 228-33	5.3	11
34	2,2'RBipyridine-Modified Tamoxifen: A Versatile Vector for Molybdacarboranes. <i>ChemMedChem</i> , 2019 , 14, 2075-2083	3.7	10
33	Induction of caspase-independent apoptotic-like cell death of mouse mammary tumor TA3Ha cells in vitro and reduction of their lethality in vivo by the novel chemotherapeutic agent GIT-27NO. <i>Free Radical Biology and Medicine</i> , 2010 , 48, 1090-9	7.8	10

32	CarbORev-5901: The First Carborane-Based Inhibitor of the 5-Lipoxygenase Pathway. <i>ChemMedChem</i> , 2017 , 12, 1081-1086	3.7	9
31	Delivery of [Ru(η -p-cymene)Cl{PhP(CH)SPh- η }] using unfunctionalized and mercapto functionalized SBA-15 mesoporous silica: Preparation, characterization and in vitro study. <i>Journal of Inorganic Biochemistry</i> , 2018 , 180, 155-162	4.2	9
30	Quinoline-Conjugated Ruthenacarboranes: Toward Hybrid Drugs with a Dual Mode of Action. <i>ChemMedChem</i> , 2019 , 14, 2061-2074	3.7	9
29	Saquinavir-NO inhibits S6 kinase activity, impairs secretion of the encephalytogenic cytokines interleukin-17 and interferon-gamma and ameliorates experimental autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2013 , 259, 55-65	3.5	9
28	Impact of the mesoporous silica SBA-15 functionalization on the mode of action of PhSn(CH)OH. <i>Materials Science and Engineering C</i> , 2019 , 100, 315-322	8.3	8
27	Carboranyl Derivatives of Rofecoxib with Cytostatic Activity against Human Melanoma and Colon Cancer Cells. <i>Scientific Reports</i> , 2020 , 10, 4827	4.9	8
26	Improved in vitro antitumor potential of (O,ORDiisobutyl-ethylenediamine-N,NRdi-3-propionate)tetrachloridoplatinum(IV) complex under normoxic and hypoxic conditions. <i>European Journal of Pharmacology</i> , 2015 , 760, 136-44	5.3	7
25	Synthesis, X-ray structure and strong in vitro cytotoxicity of novel organoruthenium complexes. <i>Journal of Organometallic Chemistry</i> , 2014 , 749, 142-149	2.3	7
24	Undecylprodigiosin conjugated monodisperse gold nanoparticles efficiently cause apoptosis in colon cancer cells in vitro. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 3271-3281	7.3	7
23	Apotransferrin inhibits interleukin-2 expression and protects mice from experimental autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2013 , 262, 72-8	3.5	7
22	Ti-SLActive and TiZr-SLActive Dental Implant Surfaces Promote Fast Osteoblast Differentiation. <i>Coatings</i> , 2017 , 7, 102	2.9	7
21	Development of genistein-loaded gold nanoparticles and their antitumor potential against prostate cancer cell lines. <i>Materials Science and Engineering C</i> , 2021 , 124, 112078	8.3	7
20	Study of the anticancer properties of methyl- and phenyl-substituted carbon- and silicon-bridged ansa-titanocene complexes. <i>Journal of Organometallic Chemistry</i> , 2014 , 751, 361-367	2.3	6
19	Anticancer potential of (pentamethylcyclopentadienyl)chloridoiridium(III) complexes bearing η and η, η -coordinated Ph ₂ PCH ₂ CH ₂ CH ₂ S(O) _x Ph (x=0-2) ligands. <i>ChemMedChem</i> , 2014 , 9, 1586-93	3.7	6
18	Binuclear dichlorido(η -p-cymene)ruthenium(II) complexes with bis(nicotinate)- and bis(isonicotinate)-polyethylene glycol ester ligands. <i>Applied Organometallic Chemistry</i> , 2015 , 29, 20-25	3.1	6
17	Carborane-Based Analogues of 5-Lipoxygenase Inhibitors Co-inhibit Heat Shock Protein 90 in HCT116 Cells. <i>ChemMedChem</i> , 2019 , 14, 255-261	3.7	6
16	Alkenyl-substituted titanocene dichloride complexes: Stability studies, binding and cytotoxicity. <i>Journal of Organometallic Chemistry</i> , 2014 , 769, 46-57	2.3	5
15	The Middle Part of the Plucked Hair Follicle Outer Root Sheath Is Identified as an Area Rich in Lineage-Specific Stem Cell Markers. <i>Biomolecules</i> , 2021 , 11,	5.9	5

14	Alpha-1-Antitrypsin Antagonizes Cisplatin-Induced Cytotoxicity in Prostate Cancer (PC3) and Melanoma Cancer (A375) Cell Lines. <i>Pathology and Oncology Research</i> , 2017 , 23, 335-343	2.6	4
13	Prostate cancer metastasis and soy isoflavones: a dogfight over a bone. <i>EXCLI Journal</i> , 2019 , 18, 106-126.	2.4	4
12	The synthetic tubulysin derivative, tubugi-1, improves the innate immune response by macrophage polarization in addition to its direct cytotoxic effects in a murine melanoma model. <i>Experimental Cell Research</i> , 2019 , 380, 159-170	4.2	3
11	Metals in medicine. <i>Bioinorganic Chemistry and Applications</i> , 2012 , 2012, 705907	4.2	3
10	Antitumor potential of cisplatin loaded into SBA-15 mesoporous silica nanoparticles against B16F1 melanoma cells: in vitro and in vivo studies. <i>Journal of Inorganic Biochemistry</i> , 2021 , 217, 111383	4.2	3
9	Ruthenacarborane and Quinoline: A Promising Combination for the Treatment of Brain Tumors. <i>Molecules</i> , 2021 , 26,	4.8	3
8	Carboranyl Analogues of Ketoprofen with Cytostatic Activity against Human Melanoma and Colon Cancer Cell Lines. <i>ACS Omega</i> , 2019 , 4, 8824-8833	3.9	2
7	(18-Crown-6)potassium(I) Trichlorido[28-acetyl-3-(tris-(hydroxylmethyl)amino-ethane)betulinic ester- κ]platinum(II): Synthesis and In Vitro Antitumor Activity. <i>Inorganics</i> , 2017 , 5, 56	2.9	2
6	Synthetic Tubulysin Derivative, Tubugi-1, Against Invasive Melanoma Cells: The Cell Death Triangle. <i>Anticancer Research</i> , 2019 , 39, 5403-5415	2.3	1
5	Organozinn(IV)-beladenes mesoporöses SiO ₂ als biokompatible Strategie bei der Krebstherapie. <i>Angewandte Chemie</i> , 2014 , 126, 6092-6097	3.6	1
4	No-Modified Saquinavir is Equally Efficient Against Doxorubicin Sensitive and Resistant Non-Small Cell Lung Carcinoma Cells / MODIFIKOVANA KOVANA FORMA SAKVINAVIRA EFIKASNO SU PRIMI RA RAST ĀLIJA NESITNOĀLIJSKOG KARCINOMA PLUĀ RAZLIĀTE OSETUIVOSTI NA DOKSORUBICIN. <i>Journal of Medical Biochemistry</i> , 2013 , 32, 406-416	1.9	1
3	Mesenchymal Stem Cells From Mouse Hair Follicles Reduce Hypertrophic Scarring in a Murine Wound Healing Model.. <i>Stem Cell Reviews and Reports</i> , 2022 , 1	7.3	1
2	Aloe emodin: From antitumor action. <i>Hrana I Ishrana</i> , 2018 , 59, 59-67	0.1	1
1	(S,R)-3-Phenyl-4,5-dihydro-5-isoxazole acetic acid Nitric Oxide (GIT-27NO) [New Dress for Nitric Oxide Mission 2010 , 443-457		