

# Irena T Novakovic

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2337523/publications.pdf>

Version: 2024-02-01

44  
papers

563  
citations

687363

13  
h-index

677142

22  
g-index

44  
all docs

44  
docs citations

44  
times ranked

950  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of the anticancer potential of Cd complexes of selenazoyl-hydrazones and their sulfur isosters. <i>European Journal of Medicinal Chemistry</i> , 2022, 238, 114449.	5.5	8
2	Synthesis and biological activity of alkylthio and arylthio derivatives of tert-butylquinone. <i>Journal of the Serbian Chemical Society</i> , 2022, 87, 1245-1258.	0.8	0
3	Zn(II) complexes with thiazolyl-hydrazones: structure, intermolecular interactions, photophysical properties, computational study and anticancer activity. <i>CrystEngComm</i> , 2022, 24, 5194-5214.	2.6	7
4	Synthesis, characterization and biological activity of Pt(II) complexes with steroidal thiosemicarbazones. <i>Journal of the Serbian Chemical Society</i> , 2021, 86, 459-468.	0.8	0
5	Synthesis, characterization, and evaluation of antioxidant and antimicrobial activity of three novel n-heteroaromatic hydrazone-thiazoles. <i>Advanced Technologies</i> , 2021, 10, 14-23.	0.4	0
6	Evaluation of genotoxic potential of tert-butylquinone and its derivatives in prokaryotic and eukaryotic test models. <i>Drug and Chemical Toxicology</i> , 2020, 43, 522-530.	2.3	3
7	Composition, Antioxidant Potential, and Antimicrobial Activity of <i>Helichrysum plicatum</i> DC. Various Extracts. <i>Plants</i> , 2020, 9, 337.	3.5	14
8	Synthesis, spectral and structural characterization and biological activity of Cu(II) complexes with 4-(diethylamino)salicylaldehyde and 1,2-diimines. <i>Journal of Coordination Chemistry</i> , 2020, 73, 702-716.	2.2	11
9	Biological Potential of Novel Methoxy and Hydroxy Substituted Heteroaromatic Amides Designed as Promising Antioxidative Agents: Synthesis, 3D-QSAR Analysis, and Biological Activity. <i>Chemical Research in Toxicology</i> , 2019, 32, 1880-1892.	3.3	7
10	Synthesis and preliminary screening for the biological activity of some steroidal 4-unsaturated semicarbazone derivatives. <i>Steroids</i> , 2019, 148, 36-46.	1.8	4
11	Evaluation of genotoxic potential of avarol, avarone, and its methoxy and methylamino derivatives in prokaryotic and eukaryotic test models. <i>Drug and Chemical Toxicology</i> , 2019, 42, 130-139.	2.3	8
12	Antimicrobial Activity of Thiocarbohydrazones: Experimental Studies and Alignment-Independent 3D QSAR Models. <i>ChemistrySelect</i> , 2018, 3, 2215-2221.	1.5	15
13	Synthesis, Biological Evaluation and Docking Studies of Benzoxazoles Derived from Thymoquinone. <i>Molecules</i> , 2018, 23, 3297.	3.8	13
14	Antioxidant Activity of Selected Polyphenolics in Yeast Cells: The Case Study of Montenegrin Merlot Wine. <i>Molecules</i> , 2018, 23, 1971.	3.8	28
15	Alkylamino and aralkylamino derivatives of avarone and its mimetic as selective agents against non-small cell lung cancer cells, their antibacterial and antifungal potential. <i>Journal of the Serbian Chemical Society</i> , 2018, 83, 1193-1207.	0.8	2
16	Antioxidant, Antimicrobial and Antiproliferative Activities of Synthesized 2,2,5,5-Tetramethyl-9-aryl-3,4,5,6,7,9-hexahydro-1H-xanthene-1,8(2H)-dione Derivatives. <i>Croatica Chemica Acta</i> , 2018, 91, .	0.4	10
17	Co(II) complexes of (1,3-selenazol-2-yl)hydrazones and their sulphur analogues. <i>Dalton Transactions</i> , 2017, 46, 2910-2924.	3.3	29
18	Anticancer potential of new steroidal thiazolidin-4-one derivatives. Mechanisms of cytotoxic action and effects on angiogenesis in vitro. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 174, 72-85.	2.5	13

#	ARTICLE	IF	CITATIONS
19	Synthesis, antioxidant and antimicrobial activity of carbohydrazones. <i>Journal of the Serbian Chemical Society</i> , 2017, 82, 495-508.	0.8	16
20	Simple avarone mimetics as selective agents against multidrug resistant cancer cells. <i>European Journal of Medicinal Chemistry</i> , 2016, 118, 107-120.	5.5	4
21	Quinoline based mono- and bis-(thio)carbohydrazones: synthesis, anticancer activity in 2D and 3D cancer and cancer stem cell models. <i>RSC Advances</i> , 2016, 6, 104763-104781.	3.6	19
22	Synthesis, characterization and in vitro cytotoxic activities of new steroidal thiosemicarbazones and thiadiazolines. <i>RSC Advances</i> , 2016, 6, 34312-34333.	3.6	12
23	Synthesis, biological evaluation and docking analysis of substituted piperidines and (2-methoxyphenyl)piperazines. <i>Journal of the Serbian Chemical Society</i> , 2016, 81, 347-356.	0.8	4
24	Interactions of cytotoxic amino acid derivatives of tert-butylquinone with DNA lysozyme. <i>Journal of the Serbian Chemical Society</i> , 2016, 81, 1345-1358.	0.8	1
25	Antimicrobial activity of the diarylheptanoids from the black and green alder. <i>Revista Brasileira De Botanica</i> , 2015, 38, 441-446.	1.3	14
26	Synthesis and biological activity of amino acid derivatives of avarone and its model compound. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 6930-6942.	3.0	8
27	Synthesis and antimicrobial activity of azepine and thiepine derivatives. <i>Journal of the Serbian Chemical Society</i> , 2015, 80, 839-852.	0.8	9
28	Synthesis and biological evaluation of 5-substituted derivatives of benzimidazole. <i>Journal of the Serbian Chemical Society</i> , 2014, 79, 277-282.	0.8	0
29	Steroid dimers' in vitro cytotoxic and antimicrobial activities. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 143, 365-375.	2.5	18
30	Studies on the interactions of bioactive quinone avarone and its methylamino derivatives with calf thymus DNA. <i>International Journal of Biological Macromolecules</i> , 2013, 62, 405-410.	7.5	13
31	Synthesis, characterization and biological evaluation of some novel P-heterocyclic androst-4-ene derivatives. <i>Molecular Diversity</i> , 2013, 17, 547-561.	3.9	7
32	Bioconjugate of Lysozyme and the Antibacterial Marine Sesquiterpene Quinone Avarone and Its Derivatives. <i>Bioconjugate Chemistry</i> , 2012, 23, 57-65.	3.6	10
33	New androst-4-en-17-spiro-1,3,2-oxathiaphospholanes. Synthesis, assignment of absolute configuration and in vitro cytotoxic and antimicrobial activities. <i>Steroids</i> , 2012, 77, 558-565.	1.8	28
34	Investigation of antibacterial activity of cinnamyl derivatives of arylpiperazine. <i>Archives of Biological Sciences</i> , 2012, 64, 15-20.	0.5	3
35	Synthesis and biological activity of derivatives of the marine quinone avarone. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 923-929.	5.5	35
36	Copper(II) complexes of N-heteroaromatic hydrazones: Synthesis, X-ray structure, magnetic behavior, and antibacterial activity. <i>Inorganica Chimica Acta</i> , 2009, 362, 1996-2000.	2.4	45

#	ARTICLE	IF	CITATIONS
37	Chemical modification of the lectin of the marine coral <i>Gerardia savaglia</i> by marine quinone avarone. <i>Journal of the Serbian Chemical Society</i> , 2007, 72, 1271-1274.	0.8	1
38	Synthesis, Characterization and Biological Activity Evaluation of Novel Pd(II) and Pt(II) Complexes with Heterocyclic Hydrazone Ligands. <i>Materials Science Forum</i> , 2007, 555, 423-427.	0.3	8
39	Synthesis and biological evaluation of some 17-picolyl and 17-picolinylidene androst-5-ene derivatives. <i>Steroids</i> , 2007, 72, 31-40.	1.8	38
40	Evaluation of the Activity of the Sponge Metabolites Avarol and Avarone and their Synthetic Derivatives Against Fouling Micro- and Macroorganisms. <i>Molecules</i> , 2007, 12, 1022-1034.	3.8	60
41	Pereparation and characterization of two types of covalently immobilized amyloglucosidase. <i>Journal of the Serbian Chemical Society</i> , 2005, 70, 713-719.	0.8	15
42	Protein covalent modification of biologically active quinones. <i>Journal of the Serbian Chemical Society</i> , 2004, 69, 901-907.	0.8	9
43	Chemical modification of $\beta$ -lactoglobulin by quinines. <i>Journal of the Serbian Chemical Society</i> , 2003, 68, 243-248.	0.8	8
44	Regioselectivity of conjugate additions to monoalkyl-1,4-benzoquinones. <i>Journal of the Serbian Chemical Society</i> , 2002, 67, 547-551.	0.8	6