

# Irena T Novakovic

## List of Publications by Year in descending order

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44  
papers

563  
citations

687363

13  
h-index

677142

22  
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44  
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44  
docs citations

44  
times ranked

950  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | 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        |
| 2  | 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        |
| 3  | 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        |
| 4  | 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        |
| 5  | Co(III) complexes of (1,3-selenazol-2-yl)hydrazones and their sulphur analogues. <i>Dalton Transactions</i> , 2017, 46, 2910-2924.   | 3.3 | 29        |
| 6  | 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        |
| 7  | Antioxidant Activity of Selected Polyphenolics in Yeast Cells: The Case Study of Montenegrin Merlot Wine. <i>Molecules</i> , 2018, 23, 1971.   | 3.8 | 28        |
| 8  | 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        |
| 9  | Steroid dimers' in vitro cytotoxic and antimicrobial activities. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 143, 365-375.  | 2.5 | 18        |
| 10 | Synthesis, antioxidant and antimicrobial activity of carbohydrazones. <i>Journal of the Serbian Chemical Society</i> , 2017, 82, 495-508.  | 0.8 | 16        |
| 11 | Antimicrobial Activity of Thiocarbohydrazones: Experimental Studies and Alignment-Independent 3D QSAR Models. <i>ChemistrySelect</i> , 2018, 3, 2215-2221.   | 1.5 | 15        |
| 12 | Preparation and characterization of two types of covalently immobilized amyloglucosidase. <i>Journal of the Serbian Chemical Society</i> , 2005, 70, 713-719.  | 0.8 | 15        |
| 13 | Antimicrobial activity of the diarylheptanoids from the black and green alder. <i>Revista Brasileira De Botanica</i> , 2015, 38, 441-446.  | 1.3 | 14        |
| 14 | Composition, Antioxidant Potential, and Antimicrobial Activity of <i>Helichrysum plicatum</i> DC. Various Extracts. <i>Plants</i> , 2020, 9, 337.  | 3.5 | 14        |
| 15 | 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        |
| 16 | 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        |
| 17 | Synthesis, Biological Evaluation and Docking Studies of Benzoxazoles Derived from Thymoquinone. <i>Molecules</i> , 2018, 23, 3297.   | 3.8 | 13        |
| 18 | Synthesis, characterization and in vitro cytotoxic activities of new steroidal thiosemicarbazones and thiadiazolines. <i>RSC Advances</i> , 2016, 6, 34312-34333.  | 3.6 | 12        |

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|----|---|-----|-----------|
| 19 | Synthesis, spectral and structural characterization and biological activity of Cu(II) complexes with 4-(diethylamino)salicylaldehyde and $\pm$ -diimines. <i>Journal of Coordination Chemistry</i> , 2020, 73, 702-716.                             | 2.2 | 11        |
| 20 | Bioconjugate of Lysozyme and the Antibacterial Marine Sesquiterpene Quinone Avarone and Its Derivatives. <i>Bioconjugate Chemistry</i> , 2012, 23, 57-65.   | 3.6 | 10        |
| 21 | 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        |
| 22 | Protein covalent modification of biologically active quinones. <i>Journal of the Serbian Chemical Society</i> , 2004, 69, 901-907.  | 0.8 | 9         |
| 23 | Synthesis and antimicrobial activity of azepine and thiepine derivatives. <i>Journal of the Serbian Chemical Society</i> , 2015, 80, 839-852.   | 0.8 | 9         |
| 24 | 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         |
| 25 | 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         |
| 26 | 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         |
| 27 | Chemical modification of $\beta$ -lactoglobulin by quinines. <i>Journal of the Serbian Chemical Society</i> , 2003, 68, 243-248.  | 0.8 | 8         |
| 28 | 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         |
| 29 | 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         |
| 30 | 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         |
| 31 | Zn(II) complexes with thiazolylhydrazone: structure, intermolecular interactions, photophysical properties, computational study and anticancer activity. <i>CrystEngComm</i> , 2022, 24, 5194-5214.   | 2.6 | 7         |
| 32 | Regioselectivity of conjugate additions to monoalkyl-1,4-benzoquinones. <i>Journal of the Serbian Chemical Society</i> , 2002, 67, 547-551.   | 0.8 | 6         |
| 33 | 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         |
| 34 | Synthesis and preliminary screening for the biological activity of some steroidal $\Delta^4$ -unsaturated semicarbazone derivatives. <i>Steroids</i> , 2019, 148, 36-46.  | 1.8 | 4         |
| 35 | 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         |
| 36 | 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         |

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|----|--|-----|-----------|
| 37 | Investigation of antibacterial activity of cinnamyl derivatives of arylpiperazine. Archives of Biological Sciences, 2012, 64, 15-20.   | 0.5 | 3         |
| 38 | Alkylamino and aralkylamino derivatives of avarone and its mimetic as selective agents against non-small cell lung cancer cells, their antibacterial and antifungal potential. Journal of the Serbian Chemical Society, 2018, 83, 1193-1207. | 0.8 | 2         |
| 39 | Chemical modification of the lectin of the marine coral Gerardia savaglia by marine quinone avarone. Journal of the Serbian Chemical Society, 2007, 72, 1271-1274.   | 0.8 | 1         |
| 40 | Interactions of cytotoxic amino acid derivatives of tert-butylquinone with DNA lysozyme. Journal of the Serbian Chemical Society, 2016, 81, 1345-1358.   | 0.8 | 1         |
| 41 | Synthesis and biological evaluation of 5-substituted derivatives of benzimidazole. Journal of the Serbian Chemical Society, 2014, 79, 277-282.   | 0.8 | 0         |
| 42 | Synthesis, characterization and biological activity of Pt(II) complexes with steroidal thiosemicarbazones. Journal of the Serbian Chemical Society, 2021, 86, 459-468.   | 0.8 | 0         |
| 43 | Synthesis, characterization, and evaluation of antioxidant and antimicrobial activity of three novel n-heteroaromatic hydrazone-thiazoles. Advanced Technologies, 2021, 10, 14-23.   | 0.4 | 0         |
| 44 | Synthesis and biological activity of alkylthio and arylthio derivatives of tert-butylquinone. Journal of the Serbian Chemical Society, 2022, 87, 1245-1258.  | 0.8 | 0         |