# ViÅ¡nja StepaniÄ

List of Publications by Year
in descending order



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|---|---|---|---|
| 40 papers | 1,401 citations | 411340 20 h-index | 371746 37 g-index |
| 42 all docs | 42 docs citations | 42 times ranked | 2647 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Identification of 37 Heterogeneous Drug Candidates for Treatment of COVID-19 via a Rational Transcriptomics-Based Drug Repurposing Approach. Pharmaceuticals, 2021, 14, 87. | 1.7 | 5 |
| 2 | Involvement of NRF2 in Breast Cancer and Possible Therapeutical Role of Polyphenols and Melatonin. Molecules, 2021, 26, 1853. | 1.7 | 31 |
| 3 | Crowdsourced mapping of unexplored target space of kinase inhibitors. Nature Communications, 2021, 12, 3307. | 5.8 | 41 |
| 4 | Comprehensive machine learning based study of the chemical space of herbicides. Scientific Reports, 2021, 11, 11479. | 1.6 | 18 |
| 5 | Green One-Pot Synthesis of Coumarin-Hydroxybenzohydrazide Hybrids and Their Antioxidant Potency. Antioxidants, 2021, 10, 1106. | 2.2 | 31 |
| 6 | Antioxidative potential of ferulic acid phenoxyl radical. Phytochemistry, 2020, 170, 112218. | 1.4 | 40 |
| 7 | Modulators of Oxidative Stress: Chemical and Pharmacological Aspects. Antioxidants, 2020, 9, 657. | 2.2 | 8 |
| 8 | The Antioxidant and Antiproliferative Activities of 1,2,3-Triazolyl-L-Ascorbic Acid Derivatives. International Journal of Molecular Sciences, 2019, 20, 4735. | 1.8 | 15 |
| 9 | Antitumor and antiviral activities of 4-substituted 1,2,3-triazolyl-2,3-dibenzyl-L-ascorbic acid derivatives. European Journal of Medicinal Chemistry, 2019, 184, 111739. | 2.6 | 25 |
| 10 | Curcumin and its Potential for Systemic Targeting of Inflamm-Aging and Metabolic Reprogramming in Cancer. International Journal of Molecular Sciences, 2019, 20, 1180. | 1.8 | 19 |
| 11 | Antioxidant Activities of Alkyl Substituted Pyrazine Derivatives of Chalconesâ€"In Vitro and In Silico Study. Antioxidants, 2019, 8, 90. | 2.2 | 31 |
| 12 | Effects of conjugation metabolism on radical scavenging and transport properties of quercetin â€“ In silico study. Journal of Molecular Graphics and Modelling, 2019, 86, 278-285. | 1.3 | 5 |
| 13 | The Influence of InÂVivo Metabolic Modifications on ADMET Properties of Green Tea Catechinsâ€"In Silico Analysis. Journal of Pharmaceutical Sciences, 2018, 107, 2957-2964. | 1.6 | 3 |
| 14 | European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). Redox Biology, 2017, 13, 94-162. | 3.9 | 242 |
| 15 | Free radical scavenging potency of quercetin catecholic colonic metabolites: Thermodynamics of 2H+/2eâ^' processes. Food Chemistry, 2017, 218, 144-151. | 4.2 | 83 |
| 16 | Synthesis and SAR Study of Novel Amidino 2-substituted Benzimidazoles as Potential Antibacterial Agents. Croatica Chemica Acta, 2017, 90, . | 0.1 | 7 |
| 17 | Synthesis, inÂvitro anticancer and antibacterial activities and in silico studies of new 4-substituted 1,2,3-triazoleâ€"coumarin hybrids. European Journal of Medicinal Chemistry, 2016, 124, 794-808. | 2.6 | 110 |
| 18 | Synthesis and evaluation of antibacterial and antioxidant activity of novel 2-phenyl-quinoline analogs derivatized at position 4 with aromatically substituted 4H-1,2,4-triazoles. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 104-110. | 2.5 | 19 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The 2H+/2eâˆ’ free radical scavenging mechanisms of uric acid: thermodynamics of NH bond cleavage. Computational and Theoretical Chemistry, 2016, 1077, 2-10. | 1.1 | 22 |
| 20 | Synthesis and structureâ€“activity relationship of amidine derivatives of 3,4-ethylenedioxythiophene as novel antibacterial agents. European Journal of Medicinal Chemistry, 2015, 90, 68-81. | 2.6 | 25 |
| 21 | Selected Attributes of Polyphenols in Targeting Oxidative Stress in Cancer. Current Topics in Medicinal Chemistry, 2015, 15, 496-509. | 1.0 | 56 |
| 22 | Towards an improved prediction of the free radical scavenging potency of flavonoids: The significance of double PCET mechanisms. Food Chemistry, 2014, 152, 578-585. | 4.2 | 54 |
| 23 | Correlation between 13C NMR chemical shifts and antiradical activity of flavonoids. Monatshefte FÃ¼r Chemie, 2014, 145, 457-463. | 0.9 | 6 |
| 24 | Synthesis and in vitro antiproliferative evaluation of novel N-alkylated 6-isobutyl- and propyl pyrimidine derivatives. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 2913-2917. | 1.0 | 11 |
| 25 | Influence of different free radicals on scavenging potency of gallic acid. Journal of Molecular Modeling, 2014, 20, 2345. | 0.8 | 38 |
| 26 | PM6 study of free radical scavenging mechanisms of flavonoids: why does Oâ€“H bond dissociation enthalpy effectively represent free radical scavenging activity?. Journal of Molecular Modeling, 2013, 19, 2593-2603. | 0.8 | 75 |
| 27 | Study of lipophilicity and membrane partition of 4-hydroxycoumarins by HPLC and PCA. Journal of Pharmaceutical and Biomedical Analysis, 2013, 76, 104-111. | 1.4 | 4 |
| 28 | Structureâ€“property relationship for cellular accumulation of macrolones in human polymorphonuclear leukocytes (PMNs). European Journal of Pharmaceutical Sciences, 2013, 49, 206-219. | 1.9 | 7 |
| 29 | Bond dissociation free energy as a general parameter for flavonoid radical scavenging activity. Food Chemistry, 2013, 141, 1562-1570. | 4.2 | 78 |
| 30 | Antitumor Mechanisms of Amino Acid Hydroxyurea Derivatives in the Metastatic Colon Cancer Model. International Journal of Molecular Sciences, 2013, 14, 23654-23671. | 1.8 | 1 |
| 31 | Free radical scavenging activity of morin 2â€²-Oâˆ’ phenoxide anion. Food Chemistry, 2012, 135, 2070-2077. | 4.2 | 45 |
| 32 | Synthesis and antiproliferative evaluation of some new amidino-substituted bis-benzothiazolyl-pyridines and pyrazine. European Journal of Medicinal Chemistry, 2012, 55, 108-116. | 2.6 | 23 |
| 33 | Tebrophen â€” An Old Polyphenol Drug with Anticancer Potential â€. Molecules, 2012, 17, 7864-7886. | 1.7 | 2 |
| 34 | PM6 and DFT study of free radical scavenging activity of morin. Food Chemistry, 2012, 134, 1754-1760. | 4.2 | 97 |
| 35 | Physicochemical profile of macrolides and their comparison with small molecules. European Journal of Medicinal Chemistry, 2012, 47, 462-472. | 2.6 | 33 |
| 36 | An efficient and convenient microwave-assisted chemical synthesis of (thio)xanthones with additional in vitro and in silico characterization. Bioorganic and Medicinal Chemistry, 2012, 20, 3180-3185. | 1.4 | 19 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 37 | Modeling Cellular Pharmacokinetics of 14- and 15-Membered Macrolides with Physicochemical Properties. Journal of Medicinal Chemistry, 2011, 54, 719-733. | 2.9 | 40 |
| 38 | 6-Imino-2-thioxo-pyrimidinones as a new class of dipeptidyl peptidase IV inhibitors. Medicinal Chemistry Research, 2011, 20, 339-345. | 1.1 | 2 |
| 39 | Structure and vibrational spectra of conjugated acids of trans- and cis-azobenzene. Journal of Molecular Structure, 2001, 569, 89-109. | 1.8 | 17 |
| 40 | Ground and excited states of isodiazene â€“ an ab initio study. Chemical Physics, 2000, 254, 151-168. | 0.9 | 12 |