# Sorin Avram

List of Publications by Year
in descending order

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|---|---|---|---|
| **31**<br>papers | **432**<br>citations | 840776<br>**11**<br>h-index | 794594<br>**19**<br>g-index |
| **31**<br>all docs | **31**<br>docs citations | **31**<br>times ranked | **630**<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | DrugCentral 2021 supports drug discovery and repositioning. Nucleic Acids Research, 2021, 49, D1160-D1169. | 14.5 | 129 |
| 2 | Quantitative estimation of pesticide-likeness for agrochemical discovery. Journal of Cheminformatics, 2014, 6, 42. | 6.1 | 61 |
| 3 | Design, synthesis and pharmaco-toxicological assessment of 5-mercapto-1,2,4-triazole derivatives with antibacterial and antiproliferative activity. International Journal of Oncology, 2017, 50, 1175-1183. | 3.3 | 24 |
| 4 | Predictive Models for Fast and Effective Profiling of Kinase Inhibitors. Journal of Chemical Information and Modeling, 2016, 56, 895-905. | 5.4 | 23 |
| 5 | Design, Synthesis and Biological Activity Evaluation of S-Substituted 1H-5-Mercapto-1,2,4-Triazole Derivatives as Antiproliferative Agents in Colorectal Cancer. Frontiers in Chemistry, 2018, 6, 373. | 3.6 | 20 |
| 6 | PLS-DA - Docking Optimized Combined Energetic Terms (PLSDA-DOCET) Protocol: A Brief Evaluation. Journal of Chemical Information and Modeling, 2011, 51, 3169-3179. | 5.4 | 17 |
| 7 | Pharmacophore-based screening and drug repurposing exemplified on glycogen synthase kinase-3 inhibitors. Molecular Diversity, 2017, 21, 385-405. | 3.9 | 17 |
| 8 | Modeling Kinase Inhibition Using Highly Confident Data Sets. Journal of Chemical Information and Modeling, 2018, 58, 957-967. | 5.4 | 17 |
| 9 | ColBioS-FlavRC: A Collection of Bioselective Flavonoids and Related Compounds Filtered from High-Throughput Screening Outcomes. Journal of Chemical Information and Modeling, 2014, 54, 2360-2370. | 5.4 | 14 |
| 10 | Off-Patent Drug Repositioning. Journal of Chemical Information and Modeling, 2020, 60, 5746-5753. | 5.4 | 14 |
| 11 | Exploring the biological promiscuity of high-throughput screening hits through DFT calculations. Bioorganic and Medicinal Chemistry, 2014, 22, 2461-2468. | 3.0 | 13 |
| 12 | Retrospective group fusion similarity search based on eROCE evaluation metric. Bioorganic and Medicinal Chemistry, 2013, 21, 1268-1278. | 3.0 | 12 |
| 13 | Novel drug targets in 2019. Nature Reviews Drug Discovery, 2020, 19, 300-300. | 46.4 | 12 |
| 14 | PLS and shape-based similarity analysis of maleimides – GSK-3 inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2014, 29, 599-610. | 5.2 | 10 |
| 15 | QSAR study and molecular docking on indirubin inhibitors of Glycogen Synthase Kinase-3. Open Chemistry, 2013, 11, 63-77. | 1.9 | 9 |
| 16 | Portraying the selectivity of GSK-3 inhibitors towards CDK-2 by 3D similarity and molecular docking. Structural Chemistry, 2019, 30, 911-923. | 2.0 | 6 |
| 17 | Challenges in docking 2â€²-hydroxy and 2â€²,4â€²-dihydroxychalcones into the binding site of ALR2. Medicinal Chemistry Research, 2013, 22, 3589-3605. | 2.4 | 5 |
| 18 | Novel drug targets in 2020. Nature Reviews Drug Discovery, 2021, 20, 333-333. | 46.4 | 5 |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 19 | In silico classification and virtual screening of maleimide derivatives using projection to latent structures discriminant analysis (PLS-DA) and hybrid docking. Monatshefte Für Chemie, 2012, 143, 1559-1573. | 1.8 | 4 |
| 20 | Modeling of 2-Pyridin-3-yl-Benzo[d][1,3]Oxazin-4-one Derivatives by Several Conformational Searching Tools and Molecular Docking. Current Pharmaceutical Design, 2013, 19, 2194-2203. | 1.9 | 4 |
| 21 | Docking Study of 3-mercapto-1,2,4-triazole Derivatives as Inhibitors for VEGFR and EGFR. Revista De Chimie (discontinued), 2017, 68, 500-503. | 0.4 | 4 |
| 22 | Synthesis, Characterization and Antiproliferative Activity Assessment of a Novel 1H-5-mercapto-1,2,4 Triazole Derivative. Revista De Chimie (discontinued), 2017, 68, 745-747. | 0.4 | 4 |
| 23 | Enhancing Molecular Promiscuity Evaluation Through Assay Profiles. Pharmaceutical Research, 2018, 35, 240. | 3.5 | 3 |
| 24 | Structure- and ligand- based studies to gain insight into the pharmacological implications of histamine H3 receptor. Structural Chemistry, 2021, 32, 1141-1149. | 2.0 | 2 |
| 25 | Partial Least Squares Discriminant Analysis and 3D Similarity Perspective Applied to Analyze Comprehensively the Selectivity of Glycogen Synthase Kinase 3 Inhibitors. Molecular Informatics, 2020, 39, 1900142. | 2.5 | 1 |
| 26 | Comprehensive investigation of selectivity landscape of glycogen synthase kinase-3 inhibitors. Journal of Biomolecular Structure and Dynamics, 2021, 39, 2318-2337. | 3.5 | 1 |
| 27 | The B-factor index for the binding site (BFIbs) to prioritize crystal protein structures for docking. Structural Chemistry, 2021, 32, 1693-1699. | 2.0 | 1 |
| 28 | MTD-PLS and docking study for a series of substituted 2-phenylindole derivatives with oestrogenic activity. Chemical Papers, 2011, 65, . | 2.2 | 0 |
| 29 | Implementation of PLS discriminant analysis to rank indirubin derivatives against decoys. Open Chemistry, 2013, 11, 1644-1656. | 1.9 | 0 |
| 30 | Large-scale comparison between the diffraction-component precision indexes favors Cruickshank's Rfree function. Journal of the Serbian Chemical Society, 2022, 87, 321-330. | 0.8 | 0 |
| 31 | In silico studies on smoothened human receptor and its antagonists in search of anticancer effects. Journal of the Serbian Chemical Society, 2020, 85, 335-346. | 0.8 | 0 |