

Stanisław Boryczka

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2550421/publications.pdf>

Version: 2024-02-01

55
papers

885
citations

471509

17
h-index

552781

26
g-index

55
all docs

55
docs citations

55
times ranked

855
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | The Influence of Betulin and Its Derivatives EB5 and ECH147 on the Antioxidant Status of Human Renal Proximal Tubule Epithelial Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2524. | 4.1 | 7 |
| 2 | New 30-substituted derivatives of pentacyclic triterpenes: preparation, biological activity, and molecular docking study. <i>Journal of Molecular Structure</i> , 2021, 1226, 129394. | 3.6 | 7 |
| 3 | Design, synthesis and biological activity of 1,4-quinone moiety attached to betulin derivatives as potent DT-diaphorase substrate. <i>Bioorganic Chemistry</i> , 2021, 106, 104478. | 4.1 | 16 |
| 4 | Anticancer Activity of the Acetylenic Derivative of Betulin Phosphate Involves Induction of Necrotic-Like Death in Breast Cancer Cells In Vitro. <i>Molecules</i> , 2021, 26, 615. | 3.8 | 10 |
| 5 | Chromatographic and Computational Screening of Lipophilicity and Pharmacokinetics of Newly Synthesized Betulin-1,4-quinone Hybrids. <i>Processes</i> , 2021, 9, 376. | 2.8 | 13 |
| 6 | The application of in silico experimental model in the assessment of ciprofloxacin and levofloxacin interaction with main SARS-CoV-2 targets: S-, E- and TMPRSS2 proteins, RNA-dependent RNA polymerase and papain-like protease (PLpro) – preliminary molecular docking analysis. <i>Pharmacological Reports</i> , 2021, 73, 1765-1780. | 3.3 | 5 |
| 7 | Lipophilicity, Pharmacokinetic Properties, and Molecular Docking Study on SARS-CoV-2 Target for Betulin Triazole Derivatives with Attached 1,4-Quinone. <i>Pharmaceutics</i> , 2021, 13, 781. | 4.5 | 32 |
| 8 | Correlation between the composition of PLA-based folate targeted micelles and release of phosphonate derivative of betulin. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 65, 102717. | 3.0 | 4 |
| 9 | Novel betulin dicarboxylic acid ester derivatives as potent antiviral agents: Design, synthesis, biological evaluation, structure-activity relationship and in-silico study. <i>European Journal of Medicinal Chemistry</i> , 2021, 225, 113738. | 5.5 | 11 |
| 10 | Molecular Structure, In Vitro Anticancer Study and Molecular Docking of New Phosphate Derivatives of Betulin. <i>Molecules</i> , 2021, 26, 737. | 3.8 | 19 |
| 11 | Spectroscopic Investigations, Computational Analysis and Molecular Docking to SAR-Cov-2 Targets Studies of 5,8-Quinolinedione Attached to Betulin Derivatives. <i>Crystals</i> , 2021, 11, 76. | 2.2 | 5 |
| 12 | Acetylenic Synthetic Betulin Derivatives Inhibit Akt and Erk Kinases Activity, Trigger Apoptosis and Suppress Proliferation of Neuroblastoma and Rhabdomyosarcoma Cell Lines. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12299. | 4.1 | 3 |
| 13 | Synthetic Betulin Derivatives Inhibit Growth of Glioma Cells <i>In Vitro</i> . <i>Anticancer Research</i> , 2020, 40, 6151-6158. | 1.1 | 8 |
| 14 | Phosphate Derivatives of 3-Carboxyacylbetulin: Synthesis, In Vitro Anti-HIV and Molecular Docking Study. <i>Biomolecules</i> , 2020, 10, 1148. | 4.0 | 14 |
| 15 | Ciprofloxacin and moxifloxacin could interact with SARS-CoV-2 protease: preliminary in silico analysis. <i>Pharmacological Reports</i> , 2020, 72, 1553-1561. | 3.3 | 47 |
| 16 | Application of TLC to Evaluate the Lipophilicity of Newly Synthesized Betulin Derivatives. <i>Journal of Chromatographic Science</i> , 2020, 58, 323-333. | 1.4 | 12 |
| 17 | Structural and spectral characterisation of 2-amino-2H-[1,2,3]triazolo[4,5-g]quinoline-4,9-dione polymorphs. Cytotoxic activity and molecular docking study with NQO1 enzyme. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 230, 118038. | 3.9 | 8 |
| 18 | The role of MITF and Mcl-1 proteins in the antiproliferative and proapoptotic effect of ciprofloxacin in amelanotic melanoma cells: In silico and in vitro study. <i>Toxicology in Vitro</i> , 2020, 66, 104884. | 2.4 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | New Phosphorus Analogs of Bevirimat: Synthesis, Evaluation of Anti-HIV-1 Activity and Molecular Docking Study. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5209. | 4.1 | 18 |
| 20 | Betulin-1,4-quinone hybrids: Synthesis, anticancer activity and molecular docking study with NQO1 enzyme. <i>European Journal of Medicinal Chemistry</i> , 2019, 177, 302-315. | 5.5 | 27 |
| 21 | Application of TLC for Evaluation of the Lipophilicity of Newly Synthesized Esters: Betulin Derivatives. <i>Journal of Analytical Methods in Chemistry</i> , 2019, 2019, 1-7. | 1.6 | 10 |
| 22 | Biological Activity and In Silico Study of 3-Modified Derivatives of Betulin and Betulinic Aldehyde. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1372. | 4.1 | 12 |
| 23 | New phosphate derivatives of betulin as anticancer agents: Synthesis, crystal structure, and molecular docking study. <i>Bioorganic Chemistry</i> , 2019, 87, 613-628. | 4.1 | 24 |
| 24 | 5,8-Quinolinedione Scaffold as a Promising Moiety of Bioactive Agents. <i>Molecules</i> , 2019, 24, 4115. | 3.8 | 22 |
| 25 | Bioresorbable filomicelles for targeted delivery of betulin derivative " In vitro study. <i>International Journal of Pharmaceutics</i> , 2019, 557, 43-52. | 5.2 | 18 |
| 26 | Structural, vibrational and quantum chemical investigations for 6,7-dichloro-2-methyl-5,8-quinolinedione. Cytotoxic and molecular docking studies. <i>Journal of Molecular Structure</i> , 2018, 1168, 73-83. | 3.6 | 13 |
| 27 | Novel triazoles of 3-acetylbetulin and betulone as anticancer agents. <i>Medicinal Chemistry Research</i> , 2018, 27, 2051-2061. | 2.4 | 39 |
| 28 | Synthesis and anticancer activity evaluation of a quinoline-based 1,2,3-triazoles. <i>Medicinal Chemistry Research</i> , 2017, 26, 2432-2442. | 2.4 | 8 |
| 29 | Alkynyloxy derivatives of 5,8-quinolinedione: Synthesis, in vitro cytotoxicity studies and computational molecular modeling with NAD(P)H:Quinone oxidoreductase 1. <i>European Journal of Medicinal Chemistry</i> , 2017, 126, 969-982. | 5.5 | 21 |
| 30 | Quinolinesulfonamides: Interaction between bovine serum albumin, molecular docking analysis, and antiproliferative activity against human breast carcinoma cells. <i>Spectroscopy Letters</i> , 2017, 50, 532-538. | 1.0 | 3 |
| 31 | Acetylenic derivative of betulin induces apoptosis in endometrial adenocarcinoma cell line. <i>Biomedicine and Pharmacotherapy</i> , 2017, 95, 429-436. | 5.6 | 10 |
| 32 | Chromatographic and Computational Assessment of Lipophilicity of New Anticancer Acetylenequinoline Derivatives. <i>Journal of Chromatographic Science</i> , 2017, 55, 934-939. | 1.4 | 4 |
| 33 | New acetylenic derivatives of betulin and betulone, synthesis and cytotoxic activity. <i>Medicinal Chemistry Research</i> , 2017, 26, 1-8. | 2.4 | 34 |
| 34 | Application of thin-layer chromatography to evaluate the lipophilicity of 5,8-quinolinedione compounds. <i>Journal of Planar Chromatography - Modern TLC</i> , 2017, 30, 219-224. | 1.2 | 7 |
| 35 | Alkoxy and Eneidyne Derivatives Containing 1,4-Benzoquinone Subunits"Synthesis and Antitumor Activity. <i>Molecules</i> , 2017, 22, 447. | 3.8 | 20 |
| 36 | Synthesis, Anti-Breast Cancer Activity, and Molecular Docking Study of a New Group of Acetylenic Quinolinesulfonamide Derivatives. <i>Molecules</i> , 2017, 22, 300. | 3.8 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Novel Triazole Hybrids of Betulin: Synthesis and Biological Activity Profile. <i>Molecules</i> , 2017, 22, 1876. | 3.8 | 48 |
| 38 | New Acetylenic Amine Derivatives of 5,8-Quinolinediones: Synthesis, Crystal Structure and Antiproliferative Activity. <i>Crystals</i> , 2017, 7, 15. | 2.2 | 17 |
| 39 | Betulin Phosphonates; Synthesis, Structure, and Cytotoxic Activity. <i>Molecules</i> , 2016, 21, 1123. | 3.8 | 27 |
| 40 | Synthesis, Structure and Cytotoxic Activity of Mono- and Dialkoxy Derivatives of 5,8-Quinolinedione. <i>Molecules</i> , 2016, 21, 156. | 3.8 | 17 |
| 41 | Determination of the lipophilicity of quinolinesulfonamides by reversed-phase HPLC and theoretical calculations. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2016, 39, 702-709. | 1.0 | 10 |
| 42 | Synthesis, structure and cytotoxic activity of acetylenic derivatives of betulonic and betulinic acids. <i>Journal of Molecular Structure</i> , 2016, 1106, 210-219. | 3.6 | 14 |
| 43 | Influence of 28-O-propynoylbetulin on proliferation and apoptosis of melanotic and amelanotic human melanoma cells. <i>Postepy Higieny I Medycyny Doswiadczalnej</i> , 2016, 70, 1404-1408. | 0.1 | 1 |
| 44 | Synthesis and Transformations of 2-Oxo-2,3-dihydro-(1H,3H)-quino[4,3-e]-1,2,4-thiadiazine 4,4-Dioxide to N-Methyl-, 2-Chloro- and 2-Aminoquino[4,3-e]-1,2,4-thiadiazine 4,4-Dioxides. <i>Heterocycles</i> , 2015, 91, 2097. | 0.7 | 1 |
| 45 | Synthesis, crystal structure and infrared spectra of new 6- and 7-propylamine-5,8-quinolinediones. <i>Journal of Molecular Structure</i> , 2014, 1067, 160-168. | 3.6 | 16 |
| 46 | Synthesis, molecular docking study, and evaluation of the antiproliferative action of a new group of propargylthio- and propargylselenoquinolines. <i>Medicinal Chemistry Research</i> , 2014, 23, 3468-3477. | 2.4 | 12 |
| 47 | Polymorphic forms of lupane triterpenoid betulonic aldehyde (betulonal). <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2014, 70, 847-851. | 0.5 | 1 |
| 48 | Influence of betulin and 28-O-propynoylbetulin on proliferation and apoptosis of human melanoma cells (G-361). <i>Postepy Higieny I Medycyny Doswiadczalnej</i> , 2014, 68, 191-197. | 0.1 | 19 |
| 49 | Synthesis, Structure and Cytotoxic Activity of New Acetylenic Derivatives of Betulin. <i>Molecules</i> , 2013, 18, 4526-4543. | 3.8 | 61 |
| 50 | Lup-20(29)-en-28-ol-3-one (betulone). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o795-o796. | 0.2 | 4 |
| 51 | X-Ray Diffraction and Infrared Spectroscopy of N,N- Dimethylformamide and Dimethyl Sulfoxide Solvatomorphs of Betulonic Acid. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 4458-4471. | 3.3 | 15 |
| 52 | X-Ray Crystal Structure of Betulin DMSO Solvate. <i>Journal of Chemical Crystallography</i> , 2012, 42, 345-351. | 1.1 | 30 |
| 53 | Synthesis and in vitro antiproliferative activity of novel (4-chloro- and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 102 Td (4-acylox | 2.4 | 8 |
| 54 | Investigation of lipophilicity of anticancer-active thioquinoline derivatives. <i>Biomedical Chromatography</i> , 2007, 21, 123-131. | 1.7 | 32 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | RP TLC determination of the lipophilicity of anticancer-active propargyl thioquinolines. Journal of Planar Chromatography - Modern TLC, 2003, 16, 117-120. | 1.2 | 14 |