Jan Sarek

List of Publications by Year
in descending order

22 papers	1,300 citations	623574 14 h-index	677027 22 g-index
22 all docs	22 docs citations	22 times ranked	1657 citing authors

#	Article	IF	Citations
1	Pharmacological activities of natural triterpenoids and their therapeutic implications. Natural Product Reports, 2006, 23, 394.	5.2	587
2	Synthesis of A-Seco Derivatives of Betulinic Acid with Cytotoxic Activity. Journal of Natural Products, 2004, 67, 1100-1105.	1.5	116
3	Pentacyclic triterpenoids with nitrogen- and sulfur-containing heterocycles: synthesis and medicinal significance. Natural Product Reports, 2015, 32, 1303-1330.	5.2	108
4	New Lupane Derived Compounds with Pro-Apoptotic Activity in Cancer Cells:â€‰ Synthesis and Structureâ^'Activity Relationships. Journal of Medicinal Chemistry, 2003, 46, 5402-5415.	2.9	83
5	Triterpenoid Pyrazines and Benzopyrazines with Cytotoxic Activity. Journal of Natural Products, 2007, 70, 526-532.	1.5	73
6	Cytotoxic heterocyclic triterpenoids derived from betulin and betulinic acid. Bioorganic and Medicinal Chemistry, 2012, 20, 3666-3674.	1.4	55
7	Influence of esterification and modification of A-ring in a group of lupane acids on their cytotoxicity. Bioorganic and Medicinal Chemistry, 2005, 13, 5527-5535.	1.4	50
8	Correlation of cytotoxic activity of betulinines and their hydroxy analogues. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 4196-4200.	1.0	31
9	Synthesis of cytotoxic 2,2-difluoroderivatives of dihydrobetulinic acid and allobetulin and study of their impact on cancer cells. European Journal of Medicinal Chemistry, 2015, 96, 482-490.	2.6	27
10	Synthesis and antiproliferative properties of new hydrophilic esters of triterpenic acids. European Journal of Medicinal Chemistry, 2017, 140, 403-420.	2.6	22
11	Spermine amides of selected triterpenoid acids: dynamic supramolecular system formation influences the cytotoxicity of the drugs. Journal of Materials Chemistry B, 2020, 8, 484-491.	2.9	22
12	Preparation of Conjugates of Cytotoxic Lupane Triterpenes with Biotin. Bioconjugate Chemistry, 2015, 26, 2563-2570.	1.8	21
13	Synthesis and Cytotoxic Activity of Triterpenoid Thiazoles Derived from Allobetulin, Methyl Betulonate, Methyl Oleanonate, and Oleanonic Acid. ChemMedChem, 2017, 12, 390-398.	1.6	21
14	Lupane and 18Î±-oleanane derivatives substituted in the position 2, their cytotoxicity and influence on cancer cells. European Journal of Medicinal Chemistry, 2016, 121, 120-131.	2.6	19
15	Synthesis and Evaluation of Biological Activity of the Quaternary Ammonium Salts of Lupane-, Oleanane-, and Ursane-Type Acids. Synthesis, 2010, 2010, 3839-3848.	1.2	13
16	Preparation of new 18Î±-oleanane alcohols: synthesis, characterization, and cytotoxic activity. Monatshefte FÃ¼r Chemie, 2010, 141, 233-244.	0.9	12
17	Synthesis of selectively deuterated and tritiated lupane derivatives with cytotoxic activity. Journal of Radioanalytical and Nuclear Chemistry, 2013, 298, 1149-1157.	0.7	10
18	2-Deoxyglycoside Conjugates of Lupane Triterpenoids with High Cytotoxic Activityâ€”Synthesis, Activity, and Pharmacokinetic Profile. Bioconjugate Chemistry, 2019, 30, 2844-2858.	1.8	9

#	Article	IF	Citations
19	Synthesis of 3Î±-deuterated 7Î±-hydroxy-DHEA and 7-oxo-DHEA and application in LC-MS/MS plasma analysis. Steroids, 2016, 112, 88-94.	0.8	6
20	Substituted dienes prepared from betulinic acid â€“ Synthesis, cytotoxicity, mechanism of action, and pharmacological parameters. European Journal of Medicinal Chemistry, 2021, 224, 113706.	2.6	6
21	15N-labelled pyrazines of triterpenic acids. Journal of Radioanalytical and Nuclear Chemistry, 2016, 308, 733-739.	0.7	5
22	Study of stereoselectivity of reduction of 18-oxo des-E triterpenoids by sodium borohydride in the presence of cerium chloride. Tetrahedron: Asymmetry, 2011, 22, 1011-1020.	1.8	4