

# Lucie Rarova

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3975751/publications.pdf>

Version: 2024-02-01

76  
papers

1,376  
citations

377584  
21  
h-index

445137  
33  
g-index

79  
all docs

79  
docs citations

79  
times ranked

1969  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and cytotoxic activity of 1,2,3-triazoles derived from 2,3-seco-dihydrobetulin via a click chemistry approach. <i>Journal of Molecular Structure</i> , 2022, 1250, 131751.	1.8	15
2	Seasonal variation of phenolic compounds in <i>Zostera marina</i> (Zosteraceae) from the Baltic Sea. <i>Phytochemistry</i> , 2022, 196, 113099.	1.4	4
3	Rapid Self-Healing and Thixotropic Organogelation of Amphiphilic Oleanolic Acid-Spermine Conjugates. <i>Langmuir</i> , 2021, 37, 2693-2706.	1.6	16
4	Triterpenoid-PEG Ribbons Targeting Selectivity in Pharmacological Effects. <i>Biomedicines</i> , 2021, 9, 951.	1.4	3
5	Novel Oleanolic Acid-Tryptamine and -Fluorotryptamine Amides: From Adaptogens to Agents Targeting In Vitro Cell Apoptosis. <i>Plants</i> , 2021, 10, 2082.	1.6	4
6	Synthesis and Biological Activity of Brassinosteroid Analogues with a Nitrogen-Containing Side Chain. <i>International Journal of Molecular Sciences</i> , 2021, 22, 155.	1.8	5
7	Novel alkylaminoethyl derivatives of androstane 3-oximes as anticancer candidates: synthesis and evaluation of cytotoxic effects. <i>RSC Advances</i> , 2021, 11, 37449-37461.	1.7	7
8	Spermine amides of selected triterpenoid acids: dynamic supramolecular system formation influences the cytotoxicity of the drugs. <i>Journal of Materials Chemistry B</i> , 2020, 8, 484-491.	2.9	22
9	Sesquiterpene lactones from <i>Sonchus palustris</i> L. (Asteraceae, Cichorieae). <i>Phytochemistry</i> , 2020, 170, 112196.	1.4	4
10	Structure and Conformation of Zosteraphenols, Tetracyclic Diarylheptanoids from the Seagrass <i>Zostera marina</i> : An NMR and DFT Study. <i>Organic Letters</i> , 2020, 22, 78-82.	2.4	12
11	New oxygen-containing androstane derivatives: Synthesis and biological potential. <i>Journal of Chemical Sciences</i> , 2020, 132, 1.	0.7	7
12	Synthesis and Pharmacological Effects of Diosgenin-Betulinic Acid Conjugates. <i>Molecules</i> , 2020, 25, 3546.	1.7	14
13	Bioactive Steroids from the Red Sea Soft Coral <i>Sinularia polydactyla</i> . <i>Marine Drugs</i> , 2020, 18, 632.	2.2	21
14	Synthesis of Gemini analogs of 19-norcalcitriol and their platinum(II) complexes. <i>Bioorganic Chemistry</i> , 2020, 100, 103883.	2.0	6
15	Design, synthesis and biological evaluation of novel 2-alkylidene 19-norcalcitriol analogs. <i>Bioorganic Chemistry</i> , 2020, 101, 104013.	2.0	2
16	Synthesis and evaluation of Na <sup>+</sup> /K <sup>+</sup> -ATP-ase inhibiting and cytotoxic in vitro activities of oleandrigenin and its selected 17 <sup>β</sup> -(butenolidyl)- and 17 <sup>β</sup> -(3-furyl)- analogues. <i>European Journal of Medicinal Chemistry</i> , 2020, 202, 112520.	2.6	5
17	Synthesis of New Cisplatin Derivatives from Bile Acids. <i>Molecules</i> , 2020, 25, 655.	1.7	4
18	New A-homo lactam D-homo lactone androstane derivative: Synthesis and evaluation of cytotoxic and anti-inflammatory activities in vitro. <i>Steroids</i> , 2020, 157, 108596.	0.8	12

#	ARTICLE	IF	CITATIONS
19	Molecular mechanisms of plant steroids and study of their interaction with nuclear receptors in prostate cancer cells. Food and Chemical Toxicology, 2020, 137, 111164.	1.8	4
20	New lupane bidesmosides exhibiting strong cytotoxic activities in vitro. Bioorganic Chemistry, 2020, 100, 103868.	2.0	9
21	Synthesis and evaluation of cytotoxic and Na <sup>+</sup> /K <sup>+</sup> -ATP-ase inhibitory activity of selected 5 $\beta$ -oleanandrogenin derivatives. European Journal of Medicinal Chemistry, 2019, 180, 417-429.	2.6	3
22	Synthesis of novel galeterone derivatives and evaluation of their in vitro activity against prostate cancer cell lines. European Journal of Medicinal Chemistry, 2019, 179, 483-492.	2.6	13
23	Enhancing effect of cystamine in its amides with betulinic acid as antimicrobial and antitumor agent in vitro. Steroids, 2019, 148, 91-98.	0.8	12
24	Synthesis, characterization and antiproliferative activity of seco analogues of brassinosteroids. Steroids, 2019, 146, 1-13.	0.8	11
25	Identification of Narciclasine as an in Vitro Anti-Inflammatory Component of <i>Cyrtanthus contractus</i> by Correlation-Based Metabolomics. Journal of Natural Products, 2019, 82, 1372-1376.	1.5	8
26	Investigation of Permeation of Theophylline through Skin Using Selected Piperazine-2,5-Diones. Molecules, 2019, 24, 566.	1.7	9
27	The synthesis of solasodine F-homo-analogues. Organic and Biomolecular Chemistry, 2019, 17, 9050-9058.	1.5	5
28	Design, synthesis, and biological evaluation of novel 1,2 $\alpha$ -diaryl-4 $\alpha$ -substituted- $\beta$ -benzylidene-5(4 $\alpha$ -H)-imidazolone derivatives as cytotoxic agents and COX-2/LOX inhibitors. Archiv Der Pharmazie, 2018, 351, e1700311.	2.1	17
29	The novel brassinosteroid analog BR4848 inhibits angiogenesis in human endothelial cells and induces apoptosis in human cancer cells in vitro. Journal of Steroid Biochemistry and Molecular Biology, 2018, 178, 263-271.	1.2	8
30	Picolyl amides of betulinic acid as antitumor agents causing tumor cell apoptosis. European Journal of Medicinal Chemistry, 2018, 145, 41-50.	2.6	34
31	Identification and characterization of potential bioactive compounds from the leaves of <i>Leucosidea sericea</i> . Journal of Ethnopharmacology, 2018, 220, 169-176.	2.0	20
32	Synthesis of dimeric spirostanols linked through a 1,4-dimethylidenebenzene moiety by double BF <sub>3</sub> ·Et <sub>2</sub> O-catalyzed aldol condensation of steroid sapogenins and terephthalaldehyde. Steroids, 2018, 140, 58-61.	0.8	4
33	Synthesis and antiproliferative properties of new hydrophilic esters of triterpenic acids. European Journal of Medicinal Chemistry, 2017, 140, 403-420.	2.6	22
34	Synthesis and in vitro anticancer activity of 23(23 $\alpha$ )-E-benzylidenespirostanols derived from steroid sapogenins. Steroids, 2017, 128, 85-88.	0.8	11
35	Synthesis of novel aryl brassinosteroids through alkene cross-metathesis and preliminary biological study. Steroids, 2017, 127, 46-55.	0.8	14
36	Amphiphilic derivatives of (3 $\beta$ ,17 $\beta$ )-3-hydroxyandrost-5-ene-17-carboxylic acid. Steroids, 2017, 128, 58-67.	0.8	6

#	ARTICLE	IF	CITATIONS
37	Self-medication by orang-utans ( <i>Pongo pygmaeus</i> ) using bioactive properties of <i>Dracaena cantleyi</i> . <i>Scientific Reports</i> , 2017, 7, 16653.	1.6	28
38	Synthesis and Cytotoxicity of 28a-Homothiolupanes and 28a-Homothiolupane Saponins. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 373-383.	1.2	7
39	Novel N-substituted indole Schiff bases as dual inhibitors of cyclooxygenase-2 and 5-lipoxygenase enzymes: Synthesis, biological activities in vitro and docking study. <i>European Journal of Medicinal Chemistry</i> , 2016, 123, 803-813.	2.6	73
40	Synthesis of Aromatic Retinoids and Curcuminoids and Evaluation of their Antiproliferative, Antiradical, and Anti-inflammatory Activities. <i>ChemistryOpen</i> , 2016, 5, 339-350.	0.9	4
41	Design, synthesis and biological activities of new brassinosteroid analogues with a phenyl group in the side chain. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 8691-8701.	1.5	21
42	Synthesis of 28a-homoselenolupanes and 28a-homoselenolupane saponins. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10238-10248.	1.5	25
43	Synthesis of S-(28a-homobetulin-28a-yl) thiophosphate, thiophosphonate, and thiophosphinate. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 1240-1244.	0.8	3
44	Influence of intramolecular hydrogen bonds on regioselectivity of glycosylation. Synthesis of lupane-type saponins bearing the OSW-1 saponin disaccharide unit and its isomers. <i>Carbohydrate Research</i> , 2016, 423, 49-69.	1.1	15
45	Structure activity relationship studies on cytotoxicity and the effects on steroid receptors of AB-functionalized cholestanes. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 159, 154-169.	1.2	28
46	Design, Synthesis and Evaluation of Novel Phthalimide Derivatives as in Vitro Anti-Microbial, Anti-Oxidant and Anti-Inflammatory Agents. <i>Molecules</i> , 2015, 20, 16620-16642.	1.7	54
47	Mechanistic Insights to the Cytotoxicity of Amaryllidaceae Alkaloids. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.2	8
48	Synthesis and biological activity of new homolupanes and homolupane saponins. <i>Tetrahedron</i> , 2015, 71, 2004-2012.	1.0	21
49	Seasonal pharmacological properties and alkaloid content in <i>Cyrtanthus contractus</i> N.E. Br.. <i>South African Journal of Botany</i> , 2015, 97, 69-76.	1.2	18
50	Polyamine derivatives of betulinic acid and $\beta$ -sitosterol: A comparative investigation. <i>Steroids</i> , 2015, 100, 27-35.	0.8	36
51	Brassinosteroids: synthesis and biological activities. <i>Phytochemistry Reviews</i> , 2015, 14, 1053-1072.	3.1	66
52	Crinane Alkaloids of the Amaryllidaceae with Cytotoxic Effects in Human Cervical Adenocarcinoma (HeLa) Cells. <i>Natural Product Communications</i> , 2014, 9, 1934578X1400900.	0.2	6
53	Synthesis of Lupane-Type Saponins Containing an Unusual $\beta$ -D-glucopyranoside Fragment as Potent Cytotoxic Agents. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 4089-4098.	1.2	12
54	Synthesis and structure-activity relationship study of cytotoxic lupane-type 3-O-monodesmosidic saponins with an extended C-28 side chain. <i>Tetrahedron</i> , 2014, 70, 2717-2730.	1.0	28

#	ARTICLE	IF	CITATIONS
55	Biological activities of new monohydroxylated brassinosteroid analogues with a carboxylic group in the side chain. <i>Steroids</i> , 2014, 85, 58-64.	0.8	20
56	In vitro characterisation of the anti-intravasative properties of the marine product heteronemin. <i>Archives of Toxicology</i> , 2013, 87, 1851-1861.	1.9	26
57	Xanthohumol attenuates tumour cell-mediated breaching of the lymphendothelial barrier and prevents intravasation and metastasis. <i>Archives of Toxicology</i> , 2013, 87, 1301-1312.	1.9	41
58	New polyfluorothiopropanoyloxy derivatives of 5 $\beta$ -cholan-24-oic acid designed as drug absorption modifiers. <i>Steroids</i> , 2013, 78, 832-844.	0.8	15
59	Amides derived from heteroaromatic amines and selected steryl hemiesters. <i>Steroids</i> , 2013, 78, 1347-1352.	0.8	11
60	Synthesis and antiproliferative activity of novel steroidal dendrimer conjugates. <i>Steroids</i> , 2013, 78, 1254-1262.	0.8	4
61	Brassinosteroids and their Biological Activities. , 2013, , 3851-3871.		0
62	New propanoyloxy derivatives of 5 $\beta$ -cholan-24-oic acid as drug absorption modifiers. <i>Steroids</i> , 2013, 78, 435-453.	0.8	21
63	Alkaloids from <i>Boophone haemanthoides</i> (Amaryllidaceae). <i>Natural Product Communications</i> , 2013, 8, 1934578X1300801.	0.2	5
64	An apolar extract of <i>Critonia morifolia</i> inhibits c-Myc, cyclin D1, Cdc25A, Cdc25B, Cdc25C and Akt and induces apoptosis. <i>International Journal of Oncology</i> , 2012, 40, 2131-9.	1.4	3
65	Synthesis and cytotoxic activities of estrone and estradiol cis-dichloroplatinum(II) complexes. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 6969-6978.	1.4	35
66	Mechanisms of natural brassinosteroid-induced apoptosis of prostate cancer cells. <i>Food and Chemical Toxicology</i> , 2012, 50, 4068-4076.	1.8	45
67	Apoptosis-inducing effects of distichamine and narciprimine, rare alkaloids of the plant family Amaryllidaceae. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 6195-6199.	1.0	56
68	A cross-metathesis approach to the synthesis of new etretinate type retinoids, ethyl retinoate and its 9Z-isomer. <i>Tetrahedron Letters</i> , 2012, 53, 5430-5433.	0.7	8
69	Antiproliferative and antiangiogenic effects of flavone eupatorin, an active constituent of chloroform extract of <i>Orthosiphon stamineus</i> leaves. <i>FÄ-toterapÄ-Ä</i> , 2012, 83, 1000-1007.	1.1	60
70	Polyamine conjugates of stigmasterol. <i>Steroids</i> , 2012, 77, 1212-1218.	0.8	21
71	Brassinosteroids inhibit in vitro angiogenesis in human endothelial cells. <i>Steroids</i> , 2012, 77, 1502-1509.	0.8	26
72	Synthesis and biological activity of 23-ethylidene-26-hydroxy-22-oxocholestane derivatives from spirostane sapogenins. <i>European Journal of Medicinal Chemistry</i> , 2012, 51, 67-78.	2.6	6

#	ARTICLE	IF	CITATIONS
73	Investigation of new acyloxy derivatives of cholic acid and their esters as drug absorption modifiers. Steroids, 2011, 76, 1082-1097.	0.8	30
74	The selective P-TEFb inhibitor CAN508 targets angiogenesis. European Journal of Medicinal Chemistry, 2011, 46, 4289-4294.	2.6	23
75	Synthesis and Biological Activity of 22-Deoxo-23-oxa Analogues of Saponin OSW-1. Journal of Medicinal Chemistry, 2011, 54, 3298-3305.	2.9	24
76	Brassinosteroids cause cell cycle arrest and apoptosis of human breast cancer cells. Chemico-Biological Interactions, 2010, 188, 487-496.	1.7	70