Jacek W Morzycki

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6725931/publications.pdf

Version: 2024-02-01

132 papers	1,841 citations	257450 24 h-index	345221 36 g-index
149 all docs	149 docs citations	149 times ranked	1516 citing authors

#	Article	IF	Citations
1	Practical Method for the Absolute Configuration Assignment oftert/tert1,2-Diols Using Their Complexes with Mo2(OAc)4. Journal of Organic Chemistry, 2007, 72, 2906-2916.	3.2	144
2	Functionalization of saturated hydrocarbons. Part 4. The Gif system for selective oxidation using molecular oxygen. Journal of the Chemical Society Perkin Transactions 1, 1986, , 947.	0.9	92
3	Comparative analysis of plant cuticular waxes using HATR FT-IR reflection technique. Journal of Molecular Structure, 1999, 511-512, 173-179.	3.6	66
4	Observations on the chemistry of the iodoxy group. Tetrahedron Letters, 1982, 23, 957-960.	1.4	64
5	A practical catalytic method for the preparation of steroidal 1,4-dien-3-ones by oxygen atom transfer from iodoxybenzene to diphenyl diselenide. Journal of the Chemical Society Perkin Transactions 1, 1982, , 1947.	0.9	55
6	New Analogues of the Potent Cytotoxic Saponin OSW-1. Journal of Medicinal Chemistry, 2007, 50, 3667-3673.	6.4	45
7	Synthesis of a cholestane glycoside OSW-1 with potent cytostatic activity. Carbohydrate Research, 2002, 337, 1269-1274.	2.3	44
8	Approaches Towards the Synthesis of Cephalostatins, Ritterazines and Saponins from Ornithogalum saundersiae - New Natural Products With Cytostatic Activity. Current Organic Chemistry, 2003, 7, 1257-1277.	1.6	40
9	Macrocyclic Molecular Rotors with Bridged Steroidal Frameworks. Journal of Organic Chemistry, 2012, 77, 9970-9978.	3.2	36
10	Application of olefin metathesis in the synthesis of steroids. Steroids, 2011, 76, 949-966.	1.8	34
11	Synthesis of analogues of a potent antitumor saponin OSW-1. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 3323-3326.	2.2	33
12	Some reactions of 16Î±,17Î±-oxido-steroids: a study related to the synthesis of the potent anti-tumor Saponin OSW-1 aglycone. Tetrahedron Letters, 2000, 41, 3751-3754.	1.4	32
13	An effect of antibiotic amphotericin B on ion transport across model lipid membranes and tonoplast membranes. Biochemical Pharmacology, 2005, 70, 668-675.	4.4	32
14	Synthesis of a Highly Potent Antitumor Saponin OSW-1 and its Analogues. Phytochemistry Reviews, 2005, 4, 259-277.	6.5	32
15	Synthesis and antimicrobial properties of steroid-based imidazolium salts. Journal of Steroid Biochemistry and Molecular Biology, 2019, 189, 65-72.	2.5	32
16	Direct electrochemical acetoxylation of cholesterol at the allylic position. Journal of Electroanalytical Chemistry, 2005, 585, 275-280.	3.8	31
17	Recent advances in cholesterol chemistry. Steroids, 2014, 83, 62-79.	1.8	31
18	Convergent Synthesis of Menaquinone-7 (MK-7). Organic Process Research and Development, 2016, 20, 1026-1033.	2.7	31

#	Article	IF	Citations
19	Synthesis of 25-hydroxyvitamin D2 and its 24-epimer. Journal of Organic Chemistry, 1984, 49, 2148-2151.	3.2	30
20	Oxygen atom transfer from iodylbenzene to diphenyl diselenide - a convenient method for dehydrogenation of steroidal 3-ketones. Journal of the Chemical Society Chemical Communications, 1981, , 1044.	2.0	28
21	Electrochemical oxidation of cholesterol. Beilstein Journal of Organic Chemistry, 2015, 11, 392-402.	2.2	28
22	Neighboring group participation in epoxide ring cleavage in reactions of some 16Î±,17Î±-oxidosteroids with lithium hydroperoxide. Tetrahedron, 2001, 57, 2185-2193.	1.9	26
23	An Assisted Solvolysis of 23-Spirostanyl Bromides and Tosylates. A New Rearrangement of Spirostanes to the Bisfuran Systems. Journal of Organic Chemistry, 2002, 67, 6916-6924.	3.2	26
24	Lead tetraacetateâ€“iodine oxidation of 23-spirostanols. Tetrahedron Letters, 2004, 45, 1929-1932.	1.4	24
25	Synthesis and Biological Activity of 22-Deoxo-23-oxa Analogues of Saponin OSW-1. Journal of Medicinal Chemistry, 2011, 54, 3298-3305.	6.4	24
26	13C-NMR study of 4-azasteroids in solution and solid state. Steroids, 2002, 67, 621-626.	1.8	23
27	Rearrangement of 23-oxospirostanes to the 22-oxo-23-spiroketal isomers promoted by Lewis acidsâ€”X-ray crystal structure of (23R,25S)-3Î²-acetoxy-16Î²,23:23,26-diepoxy-5Î²-cholestan-22-one. Steroids, 2004, 69, 395-400.	1.8	22
28	Synthesis of 4,17-diazasteroid inhibitors of human 5Î±-reductase. Bioorganic and Medicinal Chemistry, 1996, 4, 1209-1215.	3.0	20
29	Synthesis of dimeric steroids as components of lipid membranes. Tetrahedron, 1997, 53, 10579-10590.	1.9	20
30	Novel transformation of 23-bromosapogenins. Synthesis of (22S,23R)-22-hydroxy-23,26-epoxyfurostanes. Tetrahedron Letters, 2001, 42, 5989-5991.	1.4	20
31	Synthesis of cholaphanes by ring closing metathesis. Tetrahedron Letters, 2007, 48, 2851-2855.	1.4	19
32	Unusual electrochemical oxidation of cholesterol. Steroids, 2008, 73, 543-548.	1.8	19
33	New efficient ruthenium metathesis catalyst containing chromenyl ligand. Journal of Organometallic Chemistry, 2010, 695, 1265-1270.	1.8	19
34	Cephalostatins and Ritterazines. The Alkaloids Chemistry and Biology, 2013, 72, 153-279.	2.0	18
35	The selective oxidation of protected cholestanol derivatives using the Gif system. Journal of the Chemical Society Perkin Transactions 1, 1985, , 583-585.	0.9	17
36	Pd-catalyzed steroid reactions. Steroids, 2015, 97, 13-44.	1.8	17

#	Article	IF	Citations
37	A novel stereospecific rearrangement of 3-substituted B-homo-5-azasteroids to their A-nor analogs. Preparation, stereochemistry, and conformational studies. Journal of Organic Chemistry, 1992, 57, 4110-4121.	3.2	16
38	GC-MS Analysis of Î²-Carotene Ethenolysis Products and their Synthesis as Potentially Active Vitamin A Analogues. Toxicology Mechanisms and Methods, 2008, 18, 469-471.	2.7	16
39	The synthesis of disteroidal macrocyclic molecular rotors by an RCM approach. Tetrahedron, 2014, 70, 9427-9435.	1.9	16
40	Synthesis of â€œglycospirostanesâ€•via ring-closing metathesis. Steroids, 2009, 74, 1073-1079.	1.8	14
41	Cross metathesis of Î²-carotene with electron-deficient dienes. A direct route to retinoids. Tetrahedron Letters, 2009, 50, 4734-4737.	1.4	13
42	New olefin metathesis catalysts bearing polyether clamp in N-heterocyclic carbenes ligands. Tetrahedron, 2014, 70, 6810-6816.	1.9	13
43	Synthesis of novel galeterone derivatives and evaluation of their inÂvitro activity against prostate cancer cell lines. European Journal of Medicinal Chemistry, 2019, 179, 483-492.	5.5	13
44	A Convenient New Synthesis of 17-Azasteroids. Preparation of Some Novel N-Chloro-17-aza- and N-Chloro-17a-aza-17a-homosteroids as Potential Affinity Labels and Enzyme Inhibitors. Heterocycles, 1991, 32, 481.	0.7	12
45	Synthesis of â€œglycospirostanesâ€â€”Steroid sapogenins with a sugar-like ring F. Steroids, 2008, 73, 449-457.	1.8	12
46	Studies on the BF3Â·Et2O catalyzed Baeyerâ€“Villiger reaction of spiroketalic steroidal ketones. Steroids, 2011, 76, 317-323.	1.8	12
47	Synthesis, Structure, and Local Molecular Dynamics for Crystalline Rotors Based on Hecogenin/Botogenin Steroidal Frameworks. Crystal Growth and Design, 2016, 16, 5698-5709.	3.0	12
48	On reactions of steroidal 23-oxo and 23,24-epoxysapogenins with Lewis acids. Steroids, 2009, 74, 675-683.	1.8	11
49	On reactions of spirostane sapogenins with benzeneseleninic anhydride. Tetrahedron, 2010, 66, 5024-5029.	1.9	11
50	Solid State Characterization of Bridged Steroidal Molecular Rotors: Effect of the Rotator Fluorination on Their Crystallization. Crystal Growth and Design, 2016, 16, 1599-1605.	3.0	11
51	On reaction of enamides with acetyl nitrate. Tetrahedron Letters, 1996, 37, 2079-2082.	1.4	10
52	A selective electrochemical method of glycosylation of 3Î²-hydroxy-Î”5-steroids. Carbohydrate Research, 2010, 345, 1051-1055.	2.3	10
53	Cross metathesis approach to retinoids and other Î²-apocarotenoids. Tetrahedron, 2011, 67, 6868-6875.	1.9	10
54	Electrochemical synthesis of glycoconjugates from activated sterol derivatives. Steroids, 2014, 82, 60-67.	1.8	10

#	Article	IF	Citations
55	The synthesis and cholinesterase inhibitory activities of solasodine analogues with seven-membered F ring. Journal of Steroid Biochemistry and Molecular Biology, 2021, 205, 105776.	2.5	10
56	On the reaction of A-nor-5Î±-cholestan-2-one with benzeneseleninic anhydride. Canadian Journal of Chemistry, 1991, 69, 790-793.	1.1	9
57	Nitration of N-acetyl enamines with acetyl nitrate. Tetrahedron, 1997, 53, 16161-16168.	1.9	9
58	Reduction of 2-Nitro-5Î±-cholestan-3-one, Its Enol Tautomer and 2-Nitro-5Î±-cholest-2-en-3-amine Derivatives. Synthesis of Bis-Steroidal Pyrazines. Collection of Czechoslovak Chemical Communications, 1998, 63, 1589-1596.	1.0	9
59	A Facile Synthesis of Symmetrical Dimeric Steroid-pyrazines. Journal of Chemical Research Synopses, 1999, , 662-663.	0.3	9
60	Photoinduced Isomerization of 23-Oxosapogenins: Conformational Analysis and Spectroscopic Characterization of 22-Isosapogenins. Journal of Organic Chemistry, 2012, 77, 11257-11269.	3.2	9
61	Electrochemical synthesis of glycoconjugates of 3Î²-hydroxy-Î”5-steroids by using non-activated sugars and steroidal thioethers. Tetrahedron, 2013, 69, 8904-8913.	1.9	9
62	Synthesis of 8-methylene-des-AB-cholestan-9-one by cholesterol degradation. Canadian Journal of Chemistry, 1986, 64, 1540-1543.	1.1	8
63	Reactions of 4-azacholest-5-en-3-one, 6-azacholest-4-en-7-one, and their N-methyl derivatives with electrophilic reagents. Tetrahedron, 1996, 52, 14057-14068.	1.9	8
64	Hindered Rotation in New Air-Stable Ruthenium Olefin Metathesis Catalysts with Chromanylmethylidene Ligands. Australian Journal of Chemistry, 2009, 62, 1363.	0.9	8
65	A cross-metathesis approach to the synthesis of new etretinate type retinoids, ethyl retinoate and its 9Z-isomer. Tetrahedron Letters, 2012, 53, 5430-5433.	1.4	8
66	Regio- and stereoselective cleavage of steroidal 22-oxo-23-spiroketals catalyzed by BF3Â·Et2O. Steroids, 2015, 100, 36-43.	1.8	8
67	Influence of Hydrogen/Fluorine Substitution on Structure, Thermal Phase Transitions, and Internal Molecular Motion of Aromatic Residues in the Crystal Lattice of Steroidal Rotors. Crystal Growth and Design, 2020, 20, 2202-2216.	3.0	8
68	Dehydroepiandrosterone derived imidazolium salts and their antimicrobial efficacy. Bioorganic Chemistry, 2021, 108, 104550.	4.1	8
69	Stereoselective Reduction of the Double Bond in D5-3-Oxo-4-azasteroids. Heterocycles, 1995, 41, 2729.	0.7	8
70	Synthesis of cis and trans Isomers of D-Ring Linked Bis-Steroid Pyrazines from 16Î±-Bromo-17-oxosteroids. Collection of Czechoslovak Chemical Communications, 2002, 67, 47-54.	1.0	7
71	Application of Ring-Closing Metathesis to the Synthesis of 19-Functionalized Derivatives of 1Î±-Hydroxyvitamin D3. Organic Letters, 2006, 8, 839-842.	4.6	7
72	Metathesis reactions of Î”22-steroids. Tetrahedron Letters, 2009, 50, 2904-2907.	1.4	7

#	Article	IF	Citations
73	One-Step Synthesis of Nitriles from Acids, Esters and Amides Using DIBAL-H and Ammonium Chloride. Synlett, 2015, 26, 2288-2292.	1.8	7
74	Preparation of 6-Azaandrost-4-ene-3,7,17-trione and Some Related 3-Oxygenated 6-Azaandrostanes. Heterocycles, 1994, 38, 1053.	0.7	7
75	Oxidation of Furost-20(22)-enes with 3-Chloroperoxybenzoic Acid and Osmium Tetroxide. Collection of Czechoslovak Chemical Communications, 2001, 66, 1746-1752.	1.0	6
76	Synthesis of Î³- and Î´-lactones from 1Î±-hydroxy-5,6-trans-vitamin D3 by ring-closing metathesis route and their reduction with metal hydrides. Steroids, 2007, 72, 552-558.	1.8	6
77	Electrooxidation of tigogenin acetate. Journal of Electroanalytical Chemistry, 2007, 610, 205-210.	3.8	6
78	New metathesis catalyst bearing chromanyl moieties at the N-heterocyclic carbene ligand. Beilstein Journal of Organic Chemistry, 2015, 11, 2795-2804.	2.2	6
79	Some observations on solasodine reactivity. Steroids, 2017, 127, 13-17.	1.8	6
80	A study on the reaction of 16-dehydropregnenolone acetate with 2-aminobenzimidazole. Steroids, 2017, 117, 71-76.	1.8	6
81	N-Alkylation of 17-azasteroids. Steroids, 1994, 59, 30-33.	1.8	5
82	13C NMR study of spirostanes and furostanes in solution and solid state. Journal of Molecular Structure, 2005, 744-747, 447-455.	3.6	5
83	Regioselective cleavage of 22-oxo-23-spiroketals. Novel cholestanic frameworks with pyranone and cyclopentenone E rings on the side chain. Steroids, 2012, 77, 534-541.	1.8	5
84	Stereochemistry of ring-opening/cross metathesis reactions of exo- and endo-7-oxabicyclo[2.2.1]hept-5-ene-2-carbonitriles with allyl alcohol and allyl acetate. Beilstein Journal of Organic Chemistry, 2015, 11, 1893-1901.	2.2	5
85	Synthesis of a cisplatin derivative from lithocholic acid. Tetrahedron, 2018, 74, 5392-5398.	1.9	5
86	Access to 27-Nortomatidine and 27-Norsoladulcidine Derivatives. Journal of Organic Chemistry, 2019, 84, 4104-4111.	3.2	5
87	Synthesis of steroidal 1,2- and 1,3-diamines as ligands for transition metal ion complexation. Steroids, 2019, 147, 19-27.	1.8	5
88	The synthesis of solasodine F-homo-analogues. Organic and Biomolecular Chemistry, 2019, 17, 9050-9058.	2.8	5
89	Further study on oxidation of pseudosapogenins. Arkivoc, 2003, 2002, 46-54.	0.5	5
90	Electrophilic reactions of 4-methyl-A-homo-4-azacholest-4a-en-3-one. Tetrahedron, 1997, 53, 10565-10578.	1.9	4

#	Article	IF	Citations
91	Functionalization of Dimeric Cholestanopyrazines at the quasi-Benzylic Position. Monatshefte FÃ¼r Chemie, 2000, 131, 0065-0071.	1.8	4
92	Unusual oxidative transformations of a steroidal 16Î±,17Î±,22-triol. Steroids, 2010, 75, 70-76.	1.8	4
93	3Î±,5Î±-Cyclocholestan-6Î²-yl ethers as donors of the cholesterol moiety for the electrochemical synthesis of cholesterol glycoconjugates. Beilstein Journal of Organic Chemistry, 2015, 11, 162-168.	2.2	4
94	Oxidation of Olefins with Benzeneseleninic Anhydride in the Presence of TMSOTf. Journal of Organic Chemistry, 2015, 80, 6052-6061.	3.2	4
95	Synthesis of Aromatic Retinoids and Curcuminoids and Evaluation of their Antiproliferative, Antiradical, and Anti-inflammatory Activities. ChemistryOpen, 2016, 5, 339-350.	1.9	4
96	New indenylidene-type metathesis catalysts bearing unsymmetrical N-heterocyclic ligands with mesityl and nitrobenzyl substituents. Monatshefte FÃ¼r Chemie, 2016, 147, 1091-1100.	1.8	4
97	Two-step Synthesis of Solasodine Pivalate from Diosgenin Pivalate. Molecules, 2019, 24, 1132.	3.8	4
98	Revision of the Structure of N,O-Diacetylsolasodine. Unusual Epimerization at the Spiro Carbon Atom during Acetylation of Solasodine. Journal of Natural Products, 2019, 82, 59-65.	3.0	4
99	Synthesis of New Cisplatin Derivatives from Bile Acids. Molecules, 2020, 25, 655.	3.8	4
100	Synthesis of Indolizidine Azasteroids. Heterocycles, 1981, 16, 1097.	0.7	4
101	Establishment of In Vitro and In Vivo Anticolorectal Cancer Efficacy of Lithocholic Acid-Based Imidazolium Salts. International Journal of Molecular Sciences, 2022, 23, 7019.	4.1	4
102	The convenient route to cd fragment for the synthesis of vitamin D3 relatives. Tetrahedron Letters, 1985, 26, 4243-4244.	1.4	3
103	A novel stereospecific rearrangement of 3-substituted B-homo-5-azasteroid lactams to A-nor analogues. Tetrahedron Letters, 1991, 32, 6517-6520.	1.4	3
104	Study of Hydrogen Bonding in Nitro Enamides. Journal of Chemical Research Synopses, 1998, , 170-171.	0.3	3
105	Erroneous epimerization at C-22 in sapogenins. Steroids, 2015, 100, 17-20.	1.8	3
106	TiCl4 catalyzed cleavage of (25R)-22-oxo-23-spiroketals. Synthesis of sapogenins with furostanol and pyranone E rings on the side chain. Steroids, 2019, 152, 108488.	1.8	3
107	New olefin metathesis catalyst bearing N-mesitylimidazole and nitrate ligands â€“ Synthesis, activity, and performance in aqueous media. Journal of Organometallic Chemistry, 2019, 896, 154-161.	1.8	3
108	Reactions of a-Acylimmonium Ions. Heterocycles, 1981, 16, 1093.	0.7	3

#	Article	IF	Citations
109	Unusual Reactions of 8b-Cyano-6,7-diazacholesterol. Heterocycles, 1984, 22, 2459.	0.7	3
110	Des-AB-steroids by a New Method of Cholesterol Degradation. Heterocycles, 1989, 28, 75.	0.7	3
111	The improved Synthesis of 8-Methylene-des-AB-cholestan-9-one. Journal FÃ¼r Praktische Chemie, 1988, 330, 782-788.	0.2	2
112	Structure of 3Î²-hydroxy-16-oxo-24-nor-17-azachol-5-eno-23-nitrile and its 20S epimer. Steroids, 1995, 60, 195-203.	1.8	2
113	Preparation of 7Î±- and 7Î²-methylcholestane derivatives by kinetic separation of the diastereomeric mixture. Tetrahedron: Asymmetry, 1998, 9, 1627-1633.	1.8	2
114	Study on the reaction of diosgenin acetate with trimethylsilylazide catalyzed by Lewis acids. Steroids, 2019, 147, 58-61.	1.8	2
115	Synthesis of Solanum Alkaloid Demissidine Stereoisomers and Analogues. Journal of Organic Chemistry, 2021, 86, 1575-1582.	3.2	2
116	Synthesis of 17-Azacholesterol. Heterocycles, 1995, 41, 931.	0.7	2
117	Synthesis of 6,9-Epithiotachysterol3 and Related Compounds. Heterocycles, 1986, 24, 1539.	0.7	2
118	Synthesis of Demissidine Analogues from Tigogenin via Imine Intermediates. International Journal of Molecular Sciences, 2021, 22, 10879.	4.1	2
119	Reductive N-cyclization of lactamoesters. Tetrahedron Letters, 1978, 19, 1077-1080.	1.4	1
120	Synthesis of des-A-B-secocholestanes. Canadian Journal of Chemistry, 1984, 62, 1081-1084.	1.1	1
121	Vitamin D relatives. Part I. B-thiophene-des-A-cholestanes. Solvolytic reactions of some derivatives of 2,2-disubstituted cyclohexane-1,4-diol and 4-hydroxycyclohexan-1-one. Canadian Journal of Chemistry, 1986, 64, 1536-1539.	1.1	1
122	The Alkali Metal Reduction of Trimethoxybenzenes in hydrocarbon solvents. Journal FÃ¼r Praktische Chemie, 1991, 333, 643-650.	0.2	1
123	Studies on the construction of the 2-isooctyl side chain in 17-azasteroids. Monatshefte FÃ¼r Chemie, 1995, 126, 119-128.	1.8	1
124	Synthesis and Photochemical Trasformations of 19-Phenylsulfonyl Provitamin D Analogue. Collection of Czechoslovak Chemical Communications, 1998, 63, 1597-1612.	1.0	1
125	Oxidation of steroidal diols and triols with air/NaH. Monatshefte FÃ¼r Chemie, 2011, 142, 59-65.	1.8	1
126	Synthesis of new unsymmetrical imidazolinium salts with mesityl and nitrophenyl substituents. Monatshefte FÃ¼r Chemie, 2014, 145, 1653-1661.	1.8	1

#	Article	IF	Citations
127	Electrochemical cholesterylation of sugars with cholesteryl diphenylphosphate. Steroids, 2017, 117, 44-51.	1.8	1
128	A Convenient Synthesis of (16S,20S)-3Î²-Hydroxy-5Î±-pregnane-20,16-carbolactam and Its N-alkyl Derivatives. Molecules, 2020, 25, 2377.	3.8	1
129	Unusual oxidation reactions of 7Î±-methyl- and 7Î±-phenylcholest-5-ene-3Î²,7Î²-diol. Monatshefte FÃ¼r Chemie, 1996, 127, 1283-1289.	1.8	0
130	Bis[3Î±,7Î±,12Î±-tris(4-nitrobenzoyloxy)-5Î²-cholan-24-yl] disulfideâ€“ethyl acetateâ€“n-hexane (4/4/1). Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o74-o75.	0.2	0
131	Stereospecific Association of C-20 Epimers of 3Î²-Hydroxy-16-oxo-24-nor-17-azachol-5-eno-23-nitryle. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1997, 52, 749-756.	0.7	0
132	A Facile Synthesis of Symmetrical Dimeric Steroid-pyrazines. Journal of Chemical Research, 1999, 23, 662-663.	1.3	0