

Pal Perjesi

List of Publications by Year in descending order

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110
papers

1,948
citations

304743

22
h-index

302126

39
g-index

116
all docs

116
docs citations

116
times ranked

2268
citing authors

#	ARTICLE	IF	CITATIONS
1	Naturally occurring chalcones and their biological activities. <i>Phytochemistry Reviews</i> , 2016, 15, 87-120.	6.5	250
2	Quinol-based cyclic antioxidant mechanism in estrogen neuroprotection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 11741-11746.	7.1	155
3	Conformational and Quantitative Structure-Activity Relationship Study of Cytotoxic 2-Arylidenebenzocycloalkanones. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 1358-1366.	6.4	110
4	Correlations between Cytotoxicity and Topography of Some 2-Arylidenebenzocycloalkanones Determined by X-ray Crystallography. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 3103-3111.	6.4	89
5	Mechanistic investigations on the antioxidant action of a neuroprotective estrogen derivative. <i>Steroids</i> , 2008, 73, 280-288.	1.8	65
6	In vitro antiproliferative and antiangiogenic effects of synthetic chalcone analogues. <i>Toxicology in Vitro</i> , 2010, 24, 1347-1355.	2.4	65
7	Mechanistic insights into the direct antioxidant effects of estrogens. <i>Drug Development Research</i> , 2005, 66, 118-125.	2.9	53
8	Design, synthesis and antiproliferative activity of some 3-benzylidene-2,3-dihydro-1-benzopyran-4-ones which display selective toxicity for malignant cells. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 839-845.	5.5	53
9	A simple and rapid ion-pair HPLC method for simultaneous quantitation of 4-nitrophenol and its glucuronide and sulfate conjugates. <i>Journal of Proteomics</i> , 2006, 69, 43-50.	2.4	42
10	Different effects of two cyclic chalcone analogues on cell cycle of Jurkat T cells. <i>Toxicology in Vitro</i> , 2006, 20, 1354-1362.	2.4	38
11	Anti-angiogenic activity of the flavonoid precursor 4-hydroxychalcone. <i>European Journal of Pharmacology</i> , 2012, 691, 125-133.	3.5	37
12	Centrally Acting and Metabolically Stable Thyrotropin-Releasing Hormone Analogues by Replacement of Histidine with Substituted Pyridinium. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 6025-6033.	6.4	32
13	E-2-Benzylidenebenzocycloalkanones. Stereostructure and NMR spectroscopic investigation. <i>Journal of Molecular Structure</i> , 1999, 479, 13-19.	3.6	31
14	A study on CYP1A inhibitory action of E-2-(4-methoxybenzylidene)-1-benzosuberone and some related chalcones and cyclic chalcone analogues. <i>Toxicology</i> , 2003, 184, 203-210.	4.2	31
15	Activation of oxidative stress response by hydroxyl substituted chalcones and cyclic chalcone analogues in mitochondria. <i>FEBS Letters</i> , 2010, 584, 567-570.	2.8	31
16	E-2-Benzylidenebenzocycloalkanones. IV. Studies on transmission of substituent effects on ¹³ C NMR chemical shifts of E-2-(X-benzylidene)-1-tetralones, and -benzosuberones. Comparison with the ¹³ C NMR data of chalcones and E-2-(X-benzylidene)-1-indanones. <i>Journal of Molecular Structure</i> , 2005, 740, 81-89.	3.6	28
17	Benzylidenetetralones, cyclic chalcone analogues, induce cell cycle arrest and apoptosis in HCT116 colorectal cancer cells. <i>Tumor Biology</i> , 2014, 35, 9967-9975.	1.8	27
18	Chalcone derivatives cause accumulation of colon cancer cells in the G2/M phase and induce apoptosis. <i>Life Sciences</i> , 2016, 150, 32-38.	4.3	26

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19	E-2-Benzylidenebenzocycloalkanones III. Studies on transmission of substituent effects on IR carbonyl stretching frequencies and ¹³ C NMR chemical shifts of E-2-(X-benzylidene)-1-indanones. Comparison with the IR data of E-2-(X-benzylidene)-1-indanones, -tetralones, and -benzosuberones. <i>Journal of Molecular Structure</i> , 2004, 697, 41-47.	3.6	25
20	Design, synthesis, and biological evaluation of novel, centrally-acting thyrotropin-releasing hormone analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 2171-2174.	2.2	24
21	QUINOL-BASED METABOLIC CYCLE FOR ESTROGENS IN RAT LIVER MICROSOMES. <i>Drug Metabolism and Disposition</i> , 2003, 31, 701-704.	3.3	24
22	Interdisciplinary review for correlation between the plant origin capsaicinoids, non-steroidal antiinflammatory drugs, gastrointestinal mucosal damage and prevention in animals and human beings. <i>Inflammopharmacology</i> , 2009, 17, 113-150.	3.9	24
23	A validated HPLC-FLD method for analysis of intestinal absorption and metabolism of capsaicin and dihydrocapsaicin in the rat. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 103, 59-66.	2.8	24
24	HPLC Quantification of 4-Nitrophenol and its Conjugated Metabolites from Bile. <i>Scientia Pharmaceutica</i> , 2011, 79, 837-847.	2.0	23
25	Synthesis and Stereochemistry of Saturated and Partially Saturated 4-aryloxy-1,2,3,4-tetrahydro-1,2,4-triazine-5-thiones. <i>Chemische Berichte</i> , 1989, 122, 651-656.	0.2	21
26	Difficulties and Perspectives of Immunomodulatory Therapy with Mistletoe Lectins and Standardized Mistletoe Extracts in Evidence-Based Medicine. <i>Evidence-based Complementary and Alternative Medicine</i> , 2011, 2011, 1-6.	1.2	20
27	Synthesis and antiproliferative activity of cyclic arylidene ketones: a direct comparison of monobenzylidene and dibenzylidene derivatives. <i>Monatshefte für Chemie</i> , 2015, 146, 973-981.	1.8	19
28	(E)-2-Benzylidenecycloalkanones: Part VI. Solvent effect on the UV and fluorescence properties of some chalcones and their cyclic analogues. Interaction of 4-dimethylaminochalcones with bovine and human serum albumin: a UV-vis study. <i>Monatshefte für Chemie</i> , 2011, 142, 463-468.	1.8	18
29	Different effects of two cyclic chalcone analogues on redox status of Jurkat T cells. <i>Toxicology in Vitro</i> , 2014, 28, 1359-1365.	2.4	18
30	Kinetic Analysis of Some Chalcones and Synthetic Chalcone Analogues on the Fenton-Reaction Initiated Deoxyribose Degradation Assay. <i>Open Medicinal Chemistry Journal</i> , 2011, 5, 61-67.	2.4	18
31	Integration of mass spectrometry into early-phase discovery and development of central nervous system agents. <i>Journal of Mass Spectrometry</i> , 2001, 36, 1211-1219.	1.6	17
32	Role of glutathione and methylation in the biliary excretion of selenium. the paradoxical effect of sulfobromophthalein. <i>Biochemical Pharmacology</i> , 1998, 56, 1381-1389.	4.4	16
33	Enhancement of selenium excretion in bile by sulfobromophthalein: elucidation of the mechanism. <i>Biochemical Pharmacology</i> , 1998, 56, 1391-1402.	4.4	16
34	Determination of clodronate content in liposomal formulation by capillary zone electrophoresis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 31, 929-935.	2.8	16
35	(E)-2-Benzylidenecycloalkanones, part VIII: spectrophotometric determination of pK _a values of some natural and synthetic chalcones and their cyclic analogues. <i>Monatshefte für Chemie</i> , 2012, 143, 13-17.	1.8	16
36	Some ferrocenyl chalcones as useful candidates for cancer treatment. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2015, 51, 964-974.	1.5	15

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37	(E)-2-Benzylidenebenzocyclohexanones: part XIII "E)/(Z)-Isomerization of some cyclic chalcone analogues. Effect of ring size on lipophilicity of geometric isomers. Monatshefte für Chemie, 2015, 146, 1275-1281.	1.8	15
38	Different reactivity to glutathione but similar tumor cell toxicity of chalcones and their quinolinone analogues. Medicinal Chemistry Research, 2019, 28, 1448-1460.	2.4	15
39	Comparison of effect of selected synthetic chalcone analogues on mitochondrial outer membrane determined by fluorescence spectroscopy. Journal of Proteomics, 2004, 61, 135-141.	2.4	14
40	Comparison of the effects of selected chalcones, dihydrochalcones and some cyclic flavonoids on mitochondrial outer membrane determined by fluorescence spectroscopy. Journal of Proteomics, 2006, 69, 143-150.	2.4	14
41	Production of Orally Applicable New Drug or Drug Combinations from Natural Origin Capsaicinoids for Human Medical Therapy. Current Pharmaceutical Design, 2010, 16, 1197-1208.	1.9	14
42	Benzylideneindanones and Benzylidenebenzosuberones: Relationship between Structure, Antimycotic Activity and Acute Toxicity. Medical Principles and Practice, 1997, 6, 14-21.	2.4	13
43	Structural studies of seven homoisoflavonoids, six thiohomoisoflavonoids, and four structurally related compounds. Structural Chemistry, 2012, 23, 209-217.	2.0	13
44	Cyclic chalcone analogue KRP6 as a potent modulator of cell proliferation: an in vitro study in HUVECs. Molecular Biology Reports, 2013, 40, 4571-4580.	2.3	13
45	Reaction of Cyclic Thioureas with 2-Benzylidenecycloalkanones. Chemische Berichte, 1987, 120, 1449-1450.	0.2	12
46	The stereochemistry of reaction of 2-benzylidenecyclohexanone with dithiocarbamic acid. Tetrahedron Letters, 1987, 28, 571-572.	1.4	12
47	Some fluorescence properties of dimethylaminochalcone and its novel cyclic analogues. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 74, 1242-1246.	3.9	12
48	Selected ferrocenyl chalcones as DNA/BSA-interacting agents and inhibitors of DNA topoisomerase I and II activity. Journal of Organometallic Chemistry, 2018, 861, 1-9.	1.8	12
49	Early modification of c-myc, Ha-ras and p53 expressions by chemical carcinogens (DMBA, MNU). In Vivo, 2009, 23, 591-8.	1.3	12
50	In-Solution and On-Plate Light-Catalyzed E/Z Isomerization of Cyclic Chalcone Analogues. Lipophilicity of E- and Z-2-(X-Benzylidene)-1-Benzosuberones. Journal of Chromatographic Science, 2005, 43, 289-295.	1.4	11
51	Use of RP-TLC for determination of logP of isomeric chalcones and cyclic chalcone analogues. Journal of Planar Chromatography - Modern TLC, 2006, 19, 124-128.	1.2	11
52	Synthesis of partially saturated N-substituted 4H-3,1-benzothiazine-2(1H)-thiones. Monatshefte für Chemie, 1991, 122, 1047-1054.	1.8	10
53	Comparison of structure, logP and P388 cytotoxicity of some phenyl and ferrocenyl cyclic chalcone analogues. Application of RP-TLC for logP determination of the ferrocenyl analogues. Open Chemistry, 2012, 10, 1500-1505.	1.9	9
54	Further Aspects of Ochratoxin A-Cation Interactions: Complex Formation with Zinc Ions and a Novel Analytical Application of Ochratoxin A-Magnesium Interaction in the HPLC-FLD System. Toxins, 2014, 6, 1295-1307.	3.4	9

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55	Structure activity relationship analysis of antiproliferative cyclic C5-curcuminoids without DNA binding: Design, synthesis, lipophilicity and biological activity. <i>Journal of Molecular Structure</i> , 2020, 1206, 127661.	3.6	9
56	Synthesis and structure of 2-phenyl-4-aryl-3,4,5,6-tetrahydrobenzo[h]quinazolines. <i>Monatshefte für Chemie</i> , 1993, 124, 167-175.	1.8	8
57	(E)-2-Benzylidenebenzocyclanones: Part VII. Investigation of the conjugation reaction of two cytotoxic cyclic chalcone analogues with glutathione: an HPLC-MS study. <i>Monatshefte für Chemie</i> , 2012, 143, 1107-1114.	1.8	8
58	Toxicokinetic Study of a Gastroprotective Dose of Capsaicin by HPLC-FLD Method. <i>Molecules</i> , 2019, 24, 2848.	3.8	8
59	A novel cluster of C5-curcuminoids: design, synthesis, in vitro antiproliferative activity and DNA binding of bis(arylidene)-4-cyclanone derivatives based on 4-hydroxycyclohexanone scaffold. <i>Research on Chemical Intermediates</i> , 2019, 45, 4711-4735.	2.7	8
60	Early modification of c-myc, Ha-ras and p53 expressions by N-methyl-N-nitrosourea. <i>In Vivo</i> , 2008, 22, 793-7.	1.3	8
61	Reaction of benzylidenebenzocyclanones with dithiocarbamic acid and thiourea. <i>Monatshefte für Chemie</i> , 1994, 125, 433-439.	1.8	7
62	Study on Ferrocenes, Part 7. E-2-Ferrocenemethylene-1-benzocyclanones. Synthesis, stereostructure, NMR, IR X-ray, and Mössbauer spectroscopic investigation. <i>Journal of Molecular Structure</i> , 2000, 524, 297-304.	3.6	7
63	Effect of experimental diabetes and insulin replacement on intestinal metabolism and excretion of 4-nitrophenol in rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, 459-464.	1.4	7
64	HPLC study on Fenton-reaction initiated oxidation of salicylic acid. Biological relevance of the reaction in intestinal biotransformation of salicylic acid. <i>Free Radical Research</i> , 2018, 52, 1040-1051.	3.3	7
65	Effect of selected dimethylaminochalcones on some mitochondrial activities. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2013, 49, 354-359.	1.5	6
66	Investigation of drug metabolism in various segments of small intestine in the rat. <i>Acta Physiologica Hungarica</i> , 2013, 100, 115-123.	0.9	6
67	3-Benzylidene-4-chromanones: a novel cluster of anti-tubercular agents. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015, 30, 259-263.	5.2	6
68	Synthesis and structure of some (E)-ferrocene-methylenecycloalkanones and their benzylidene analogs. <i>Arkivoc</i> , 2003, 2003, 114-120.	0.5	6
69	Effect of rancid corn oil on some onco/suppressor gene expressions in vivo. A short-term study. <i>Anticancer Research</i> , 2002, 22, 225-30.	1.1	6
70	Transmission of substituent effects through unsaturated systems Part 71. Influence of substituent on infrared and ¹³ C NMR properties in rigid cisoid and transoid Conformations of α,β -enones. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1992, 48, 879-892.	0.1	5
71	Metabolic enzyme activities and drug excretion in the small intestine and in the liver in the rat. <i>Acta Physiologica Hungarica</i> , 2013, 100, 478-488.	0.9	5
72	Development and Validation of an HPLC-DAD Analysis for Pharmacopoeial Qualification of Industrial Capsicum Extracts. <i>Journal of Chromatographic Science</i> , 2015, 53, 16-23.	1.4	5

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73	Study of Reactions of Two Mannich Bases Derived of 4 TM -Hydroxychalcones with Glutathione by RP ^{TLC} , RP ^{HPLC} and RP ^{HPLC} ES ^{MS} Analysis. Journal of the Brazilian Chemical Society, 2016, , .	0.6	5
74	Changes in hepatic metabolic enzyme activities and biliary excretion of 4-nitrophenol in streptozotocin induced diabetic rats. Brazilian Journal of Pharmaceutical Sciences, 2018, 54, .	1.2	5
75	Investigation of intestinal elimination and biliary excretion of ibuprofen in hyperglycemic rats. Canadian Journal of Physiology and Pharmacology, 2019, 97, 1080-1089.	1.4	5
76	Reaction of Chalcones with Cellular Thiols. The Effect of the 4-Substitution of Chalcones and Protonation State of the Thiols on the Addition Process. Diastereoselective Thiol Addition. Molecules, 2021, 26, 4332.	3.8	5
77	A new quinolinone-chalcone hybrid with potential antibacterial and herbicidal properties using in silico approaches. Journal of Molecular Modeling, 2022, 28, .	1.8	5
78	Assessment of the effect of cyclic chalcone analogues on mitochondrial membrane and DNA. Open Life Sciences, 2009, 4, 90-96.	1.4	4
79	Capsaicin is a New Gastrointestinal Mucosal Protecting Drug Candidate in Humans [”] Pharmaceutical Development and Production Based on Clinical Pharmacology. , 2014, , .		4
80	(E)-2-Benzylidenecyclanones: part XIV. Study on interaction of some (E)-2-benzylidenebenzosuberone derivatives with calf thymus DNA by TLC and UV ^{Vis} methods, a DNA cleavage study. Medicinal Chemistry Research, 2017, 26, 2172-2179.	2.4	4
81	Oxidation of Hydroxy- and Dihydroxybenzoic Acids Under the Udenfriend's Conditions. An HPLC Study. Open Medicinal Chemistry Journal, 2018, 12, 13-22.	2.4	4
82	Study on the interaction of some (E)-2-benzylidenebenzosuberone derivatives with serum albumin by UV-Vis method, inhibitory effect on topoisomerase. Journal of Pharmaceutical and Biopharmaceutical Research, 2020, 2, 118-125.	0.3	4
83	E-2-benzylidenebenzocyclanones. II. IR and mass spectrometric investigations. Journal of Molecular Structure, 2000, 520, 97-102.	3.6	3
84	Pharmacobotanical analysis and regulatory qualification of Capsicum fruits and Capsicum extracts. A survey.. , 2014, , .		3
85	Spectroscopic Study on the Interaction of 4-dimethylaminochalcones with Phospholipids. Journal of Applied Spectroscopy, 2014, 81, 812-819.	0.7	3
86	Insights on a new sulfonamide chalcone with potential antineoplastic application. Journal of Molecular Modeling, 2021, 27, 211.	1.8	3
87	Investigation of Interaction of Some Chalcones and Cyclic Chalcone Analogues with Outer Mitochondrial Membrane by UV-VIS and Fluorescence Spectroscopy. Spectral Analysis Review, 2013, 01, 1-9.	0.2	3
88	Study on the Interaction of 4'-Hydroxychalcones and their Mannich Derivatives with Calf Thymus DNA by TLC and Spectroscopic Methods, a DNA Cleavage Study. Open Medicinal Chemistry Journal, 2020, 14, 122-131.	2.4	3
89	Determination of steroid hormones in water samples by liquid chromatography electrospray ionization mass spectrometry using parallel reaction monitoring. Microchemical Journal, 2022, 175, 107105.	4.5	3
90	HPLC analysis of <i>in vivo</i> intestinal absorption and oxidative metabolism of salicylic acid in the rat. Biomedical Chromatography, 2016, 30, 2044-2052.	1.7	2

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91	Reagent-induced asymmetric induction in addition reaction of reduced glutathione onto <i>bis</i> -Mannich chalcones. <i>Archiv Der Pharmazie</i> , 2018, 351, e1700386.	4.1	2
92	The Relative Importance of the Small Intestine and the Liver in Phase II Metabolic Transformations and Elimination of p-Nitrophenol Administered in Different Doses in the Rat. <i>Scientia Pharmaceutica</i> , 2020, 88, 51.	2.0	2
93	(E)-2-Benzylidenecycloalkanones XII.* Kinetic Measurement of Bovine and Human Serum Albumine Interaction with Selected Chalcones and Their Cyclic Chalcone Analogues by UV Spectrophotometry. <i>Spectral Analysis Review</i> , 2015, 03, 1-8.	0.2	2
94	Effect of the chalcone analog E,E-bis(2-hydroxybenzylidene) acetone on the 7,12-dimethylbenz[a]anthracene-induced Ha-ras gene activity in vivo. <i>In Vivo</i> , 2006, 20, 141-6.	1.3	2
95	Synthesis, structure and conformational analysis of imidazo-thiazines. <i>Computational and Theoretical Chemistry</i> , 1996, 377, 277-288.	1.5	1
96	2-(2,4-Dichlorophenylmethylene)-1-tetralone. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2002, 58, o580-o581.	0.2	1
97	(E)-2-benzylidenebenzocyclophanones: Part X. Determination of logP _{ow} (E)-3-benzylidene-2,3-dihydro-1-benzopyran-4-ones by RP-TLC. Effect on logP _{ow} incorporation of oxygen atom into carbocyclic chalcone analogues. <i>Journal of Planar Chromatography - Modern TLC</i> , 2013, 26, 284-288.	1.2	1
98	Determination of Excited Singlet-State Dipole Moments of Methoxy and Dimethylamino Substituted Benzylidenebenzosuberones Using Solvatochromic Method. <i>Spectroscopy Letters</i> , 2015, 48, 317-323.	1.0	1
99	Pro-oxidative and antioxidant effects of salicylates. <i>Chemical Papers</i> , 2020, 74, 3161-3168.	2.2	1
100	Alternative mechanisms of action for the apoptotic activity of terpenoid-like chalcone derivatives. <i>New Journal of Chemistry</i> , 2021, 45, 15267-15279.	2.8	1
101	Pharmacy, the interdisciplinary field of science. <i>Journal of Pharmaceutical and Biopharmaceutical Research</i> , 2019, 1, 1-2.	0.3	1
102	The Intestinal and Biliary Metabolites of Ibuprofen in the Rat with Experimental Hyperglycemia. <i>Molecules</i> , 2022, 27, 4000.	3.8	1
103	Synthesis, structure and conformational analysis of imidazo-thiazines. <i>Journal of Molecular Structure</i> , 1996, 377, 277-288.	3.6	0
104	2-(2,4-Dichlorophenylhydroxymethyl)-1-tetralone. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2002, 58, o582-o583.	0.2	0
105	Effect of <i>Uncaria</i> and <i>Tabebuia</i> extracts on molecular epidemiological biomarkers in patients with colorectal cancer. <i>Acta Alimentaria</i> , 2011, 40, 356-363.	0.7	0
106	Starting Anti-COVID-19 Drug Discovery with Natural Products. <i>Fronteiras</i> , 2021, 10, 241-270.	0.1	0
107	Michael addition reaction of symmetrically halogenated bischalcones with reduced glutathione assessed by RP-HPLC and RP-HPLC-ESI-MS. <i>Microchemical Journal</i> , 2021, 169, 106603.	4.5	0
108	(E)-2-Benzylidenecyclophanones: Part XV. Stereochemistry of Reaction of 2-Arylidene-cyclopentanones with Dithiocarbamic Acid. <i>MOJ Bioorganic & Organic Chemistry</i> , 2018, 2, .	0.1	0

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109	Structural changes and control on conjugation of glutathione with chalcones and their quinolinone analogues. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, a271-a271.	0.1	0
110	Development and validation of a stability-indicating HPLC assay method for determination of ethacrynic acid in solution formulation. HPLC-MS identification of hydrolytic and oxidative degradation products. <i>Journal of Pharmaceutical and Biopharmaceutical Research</i> , 2020, 2, 131-144.	0.3	0