

# Adrian Pirnau

## List of Publications by Year in descending order

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56  
papers

867  
citations

430874

18  
h-index

526287

27  
g-index

58  
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58  
docs citations

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times ranked

1388  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stratified diffusion of HOD-D2O inside COOH- and NH2-functionalized multi-walled carbon nanotubes studied by NMR spectroscopy. <i>Journal of Molecular Structure</i> , 2022, 1249, 131653.	3.6	2
2	Synthesis of New Phenolic Derivatives of Quinazolin-4(3H)-One as Potential Antioxidant Agentsâ€”In Vitro Evaluation and Quantum Studies. <i>Molecules</i> , 2022, 27, 2599.	3.8	6
3	Antioxidant Activity Evaluation and Assessment of the Binding Affinity to HSA of a New Catechol Hydrazinyl-Thiazole Derivative. <i>Antioxidants</i> , 2022, 11, 1245.	5.1	2
4	Regioselectivity evaluation of the (Z)-5-(4-hydroxybenzylidene)-thiazolidine-2,4-dione alkylation in alkaline environment. <i>Journal of Molecular Structure</i> , 2021, 1241, 130629.	3.6	0
5	Synthesis and molecular interaction study of a diphenolic hidrazinyl-thiazole compound with strong antioxidant and antiradical activity with HSA. <i>Journal of Molecular Structure</i> , 2021, 1244, 131278.	3.6	14
6	Phenolic Thiazoles with Antioxidant and Antiradical Activity. Synthesis, In Vitro Evaluation, Toxicity, Electrochemical Behavior, Quantum Studies and Antimicrobial Screening. <i>Antioxidants</i> , 2021, 10, 1707.	5.1	8
7	Authentication of Transylvanian Spirits Based on Isotope and Elemental Signatures in Conjunction with Statistical Methods. <i>Foods</i> , 2021, 10, 3000.	4.3	7
8	Novel 2,4-Disubstituted-1,3-Thiazole Derivatives: Synthesis, Anti-Candida Activity Evaluation and Interaction with Bovine Serum Albumine. <i>Molecules</i> , 2020, 25, 1079.	3.8	13
9	Study of the binding affinity between imatinib and Î±-1 glycoprotein using nuclear spin relaxation and isothermal titration calorimetry. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 326-332.	7.5	8
10	Design, Synthesis and Biological Evaluation of New Piperazin-4-yl-(acetyl-thiazolidine-2,4-dione) Norfloxacin Analogues as Antimicrobial Agents. <i>Molecules</i> , 2019, 24, 3959.	3.8	24
11	Design and Synthesis of Novel 1,3-Thiazole and 2-Hydrazinyl-1,3-Thiazole Derivatives as Anti-Candida Agents: In Vitro Antifungal Screening, Molecular Docking Study, and Spectroscopic Investigation of their Binding Interaction with Bovine Serum Albumin. <i>Molecules</i> , 2019, 24, 3435.	3.8	29
12	New Phenolic Derivatives of Thiazolidine-2,4-dione with Antioxidant and Antiradical Properties: Synthesis, Characterization, In Vitro Evaluation, and Quantum Studies. <i>Molecules</i> , 2019, 24, 2060.	3.8	40
13	Alternative approach of applying <sup>1</sup> H NMR in conjunction with chemometrics for wine classification. <i>LWT - Food Science and Technology</i> , 2019, 109, 422-428.	5.2	24
14	A Novel Series of Acylhydrazones as Potential Anti-Candida Agents: Design, Synthesis, Biological Evaluation and In Silico Studies. <i>Molecules</i> , 2019, 24, 184.	3.8	6
15	Correlation between synthesis parameters and properties of magnetite clusters prepared by solvothermal polyol method. <i>Journal of Materials Science</i> , 2019, 54, 2853-2875.	3.7	29
16	Rational Synthesis of Some New para-Aminobenzoic Acid Hybrids with Thiazolidin-2,4-diones with Antimicrobial Properties. ADMET and molecular docking evaluation. <i>Revista De Chimie (discontinued)</i> , 2019, 70, 769-775.	0.4	3
17	3,5-Disubstituted Thiazolidine-2,4-Diones: Design, Microwave-Assisted Synthesis, Antifungal Activity, and ADMET Screening. <i>SLAS Discovery</i> , 2018, 23, 807-814.	2.7	13
18	Calorimetric and spectroscopic studies of the interaction between zidovudine and human serum albumin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 191, 226-232.	3.9	12

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19	New N-(oxazolymethyl)-thiazolidinedione Active against <i>Candida albicans</i> Biofilm: Potential Als Proteins Inhibitors. <i>Molecules</i> , 2018, 23, 2522.	3.8	22
20	Interaction of 1-methyl-1-({2-[4-(trifluoromethyl)phenyl]-1,3-thiazol-4-yl}methyl) piperidinium chloride with $\beta$ -CD: spectroscopic, calorimetric and molecular modeling approaches. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2018, 92, 195-204.	1.6	2
21	DNA INTERCALATING ABILITY OF FOUR ACRIDINE-N-OXYDES DERIVATIVES INVESTIGATED BY SPECTRAL AND ELECTROCHEMICAL TECHNIQUES. <i>Farmacia</i> , 2018, 66, 688-696.	0.4	2
22	DESIGN AND SYNTHESIS OF SOME NOVEL 1,2,4-TRIAZOLE-3-YL-MERCAPTO DERIVATIVES AS POTENTIAL ANTI-CANDIDA AGENTS. <i>Farmacia</i> , 2018, 66, 948-958.	0.4	3
23	Competitive Binding of Tolmetin to $\beta$ -Cyclodextrin and Human Serum Albumin: 1H NMR and Fluorescence Spectroscopy Studies. <i>Journal of Solution Chemistry</i> , 2017, 46, 44-57.	1.2	3
24	New 2-Phenylthiazoles as Potential Sortase A Inhibitors: Synthesis, Biological Evaluation and Molecular Docking. <i>Molecules</i> , 2017, 22, 1827.	3.8	24
25	Design, Synthesis and Antifungal Activity Evaluation of New Thiazolin-4-ones as Potential Lanosterol 14 $\alpha$ -Demethylase Inhibitors. <i>International Journal of Molecular Sciences</i> , 2017, 18, 177.	4.1	28
26	NMR study and computational assays of meclofenamic Na salt and $\beta$ -cyclodextrin inclusion complex. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2016, 85, 111-120.	1.6	7
27	Determination of Isotopic Ratios and Metal Concentrations in <i>Nicotiana tabacum</i> (Tobacco). <i>Analytical Letters</i> , 2016, 49, 364-377.	1.8	6
28	Development of new 5-chromenyl-2,4-thiazolidinediones as antimicrobial agents. <i>Medicine and Pharmacy Reports</i> , 2016, 89, 122-127.	0.4	10
29	Molecular interaction of $\beta$ -CD with 3-carboxy-1-[(2-phenyl-1,3-thiazol-4-yl) methyl]pyridin-1-ium iodide analyzed by isothermal titration calorimetry and NMR spectroscopy. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015, 83, 257-265.	1.6	5
30	Synthesis and Antimicrobial Evaluation of Some New 4,5-Bisthiazoles. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 999-1006.	2.6	4
31	Synthesis, lipophilicity and antimicrobial activity evaluation of some new thiazolyl-oxadiazolines. <i>Medicine and Pharmacy Reports</i> , 2015, 88, 521-529.	0.4	1
32	Synthesis and antimicrobial activity of some new N-(aryl-oxo-alkyl)-5-arylidene-thiazolidine-2,4-diones. <i>Journal of the Serbian Chemical Society</i> , 2014, 79, 115-123.	0.8	4
33	The complexation of flurbiprofen with $\beta$ -cyclodextrin: a NMR study in aqueous solution. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014, 78, 113-120.	1.6	22
34	Characterization of $\beta$ -cyclodextrin inclusion complex with procaine hydrochloride by 1H NMR and ITC. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014, 79, 283-289.	1.6	7
35	Synthesis and Antimicrobial Activity of Some New N-substituted-5-arylidene-thiazolidine-2,4-diones. <i>Journal of Heterocyclic Chemistry</i> , 2014, 51, 411-417.	2.6	7
36	Inclusion of $\beta$ -lipoic acid in $\beta$ -cyclodextrin. Physical-chemical and structural characterization. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2013, 76, 193-199.	1.6	21

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37	<sup>1</sup> H NMR spectroscopic characterization of inclusion complexes of tolfenamic and flufenamic acids with $\beta$ -cyclodextrin. Journal of Molecular Structure, 2013, 1044, 72-78.	3.6	25
38	Isotopic Analysis of some Romanian Wines by <sup>2</sup> H NMR and IRMS. Food Biophysics, 2013, 8, 24-28.	3.0	13
39	Inclusion complex of benzocaine and $\beta$ -cyclodextrin: [ <sup>1</sup> H] NMR and isothermal titration calorimetry studies. , 2013, , .		2
40	Structural investigation of a new antimicrobial thiazolidine compound. , 2013, , .		0
41	Synthesis and Evaluation of Antimicrobial Activity of Some New Hetaryl <sup>4</sup> Azoles Derivatives Obtained from 2 <sup>4</sup> methylthiazol <sup>5</sup> carbohydrazides and Isonicotinic Acid Hydrazide. Journal of Heterocyclic Chemistry, 2012, 49, 1407-1414.	2.6	18
42	The ring <sup>6</sup> chain tautomeric equilibria of selenium macrocyclic compounds: the isolation of the ring tautomer. Dalton Transactions, 2012, 41, 4506.	3.3	6
43	Synthesis and anti-inflammatory evaluation of some new acyl-hydrazones bearing 2-aryl-thiazole. European Journal of Medicinal Chemistry, 2011, 46, 526-534.	5.5	94
44	<sup>1</sup> H NMR investigation of self-association of vanillin in aqueous solution. Journal of Physics: Conference Series, 2009, 182, 012002.	0.4	18
45	Experimental and theoretical investigation of 5-para-nitro-benzylidene-thiazolidine-2-thione-4-one molecule. Journal of Molecular Structure, 2009, 924-926, 361-370.	3.6	6
46	Raman spectroscopic and DFT theoretical study of 4-(2-pyridylazo)resorcinol and its complexes with zinc(II) and copper(II). Journal of Molecular Structure, 2009, 919, 94-99.	3.6	18
47	Spectroscopic and theoretical study of amlodipine besylate. Journal of Molecular Structure, 2009, 924-926, 385-392.	3.6	23
48	NMR spectroscopic characterization of $\beta$ -cyclodextrin inclusion complex with vanillin. Journal of Physics: Conference Series, 2009, 182, 012013.	0.4	10
49	Synthesis and spectral characterisation of a new metal complex with a bidentate ligand. Journal of Physics: Conference Series, 2009, 182, 012030.	0.4	2
50	Time-Dependent Diffusion Studies on Miglyol Molecules Confined in Permeable Polymeric Capsules. Applied Magnetic Resonance, 2008, 34, 63-69.	1.2	0
51	Binding interaction of indomethacin with human serum albumin. Journal of Pharmaceutical and Biomedical Analysis, 2008, 47, 981-984.	2.8	73
52	Vibrational and DFT study of 5-(3-pyridyl-methylidene)-thiazolidine-2-thione-4-one. Vibrational Spectroscopy, 2008, 48, 289-296.	2.2	45
53	Spectroscopic and theoretical studies of dofetilide. Vibrational Spectroscopy, 2008, 48, 297-301.	2.2	8
54	X-ray, <sup>1</sup> H NMR and DFT study on 5-para-X-benzylidene-thiazolidine derivatives with X=Br, F. Computational and Theoretical Chemistry, 2008, 851, 63-74.	1.5	18

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55	Vibrational spectroscopy and theoretical studies on 2,4-dinitrophenylhydrazine. Journal of Molecular Structure, 2005, 744-747, 363-368.	3.6	22
56	Experimental and DFT study of pyrazinamide. Chemical Physics, 2005, 316, 153-163.	1.9	48