

# Piotr Przybylski

## List of Publications by Citations

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#	Paper	IF	Citations
118	Biological Properties of Schiff Bases and Azo Derivatives of Phenols. <i>Current Organic Chemistry</i> , <b>2009</b> , 13, 124-148	1.7	259
117	Spectroscopic studies and PM3 semiempirical calculations of Schiff bases of gossypol with L-amino acid methyl esters. <i>Biopolymers</i> , <b>2002</b> , 67, 61-9	2.2	58
116	Spectroscopic studies and PM5 semiempirical calculations of new Schiff bases of gossypol with amino derivatives of crown ethers. <i>Journal of Molecular Structure</i> , <b>2002</b> , 611, 193-201	3.4	52
115	Schiff Bases in Biological Systems. <i>Current Organic Chemistry</i> , <b>2009</b> , 13, 241-249	1.7	46
114	Synthesis and antimicrobial properties of monensin A esters. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2008</b> , 18, 2585-9	2.9	44
113	Spectroscopic studies and PM5 semiempirical calculations of new Schiff bases of gossypol with polyoxaalkylamines. <i>Biopolymers</i> , <b>2002</b> , 65, 111-20	2.2	43
112	Spectroscopic study and PM5 semiempirical calculations of tautomeric forms of gossypol Schiff base with n-butylamine in the solid state and in the solution. <i>Journal of Molecular Structure</i> , <b>2003</b> , 646, 161-168	3.4	41
111	The structures of monensin A derivatives and its complexes with some monovalent cations studied by the AM1d, PM3 as well as PM5 semiempirical methods. <i>Journal of Molecular Structure</i> , <b>2007</b> , 826, 156-164	3.4	38
110	The Schiff base of gossypol with 2-(aminomethyl)-15-crown-5 complexes with monovalent cations studied by MS, <sup>1</sup> H NMR, FT-IR and PM5 semiempirical methods. <i>Physical Chemistry Chemical Physics</i> , <b>2002</b> , 4, 6137-6143	3.6	38
109	Spectroscopic studies of new Schiff and SchiffMannich bases of ortho-derivatives of 4-bromophenol. <i>Journal of Molecular Structure</i> , <b>2002</b> , 643, 115-121	3.4	37
108	Crystal structure of Schiff base derivative of 2,2'-dihydroxybiphenyl-3-carbaldehyde with n-butylamine. <i>Journal of Molecular Structure</i> , <b>2003</b> , 650, 191-199	3.4	37
107	Crystal structure of Schiff base derivative of gossypol with 3,6,9-trioxa-decylamine. <i>Journal of Molecular Structure</i> , <b>2003</b> , 655, 293-300	3.4	35
106	Spectroscopic studies of Schiff bases of 2,2'-dihydroxybiphenyl-3-carbaldehyde and para substituted anilines. <i>Journal of Molecular Structure</i> , <b>2003</b> , 649, 197-205	3.4	34
105	<sup>1</sup> H NMR, FT-IR and MS studies and PM5 semiempirical calculations of complexes between the Schiff base of gossypol with 2-(aminomethyl)-15-crown-5 and Ca <sup>2+</sup> , Pb <sup>2+</sup> and Ba <sup>2+</sup> cations. <i>Journal of Physical Organic Chemistry</i> , <b>2003</b> , 16, 289-297	2.1	33
104	Monensin A methyl ester complexes with Li <sup>+</sup> , Na <sup>+</sup> , and K <sup>+</sup> cations studied by ESI-MS, <sup>1</sup> H- and <sup>13</sup> C-NMR, FTIR, as well as PM5 semiempirical method. <i>Biopolymers</i> , <b>2006</b> , 81, 282-94	2.2	32
103	Spectroscopic studies and PM5 semiempirical calculations of tautomeric forms of gossypol schiff base with (R)-tetrahydrofurfurylamine. <i>Journal of Molecular Structure</i> , <b>2004</b> , 691, 227-234	3.4	30
102	Spectroscopic and semiempirical studies of gossypol complexes with Fe <sup>2+</sup> and Fe <sup>3+</sup> cations. <i>Journal of Molecular Structure</i> , <b>2001</b> , 569, 147-155	3.4	30

101	The complexes between Schiff base of gossypol with l-phenylalanine methyl ester and some monovalent cations studied by <sup>1</sup> H NMR, ESI MS, FT-IR as well as PM5 semi-empirical methods. <i>Journal of Molecular Structure</i> , <b>2003</b> , 654, 167-176	3.4	29
100	Structure and evaluation of antibacterial and antitubercular properties of new basic and heterocyclic 3-formylrifamycin SV derivatives obtained via 'click chemistry' approach. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 84, 651-76	6.8	28
99	Complexes of monensin A methyl ester with Mg <sup>2+</sup> , Ca <sup>2+</sup> , Sr <sup>2+</sup> , Ba <sup>2+</sup> cations studied by electrospray ionization mass spectrometry and PM5 semiempirical method. <i>Journal of Molecular Structure</i> , <b>2006</b> , 788, 176-183	3.4	28
98	14- and 15-membered lactone macrolides and their analogues and hybrids: structure, molecular mechanism of action and biological activity. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 182, 111662	6.8	27
97	X-ray, spectroscopic and computational studies of the tautomeric structure of a new hydrazone of 5-nitrosalicylaldehyde with indole-3-acetic hydrazide. <i>Journal of Molecular Structure</i> , <b>2010</b> , 970, 147-154	3.4	27
96	Intramolecular proton transfer impact on antibacterial properties of ansamycin antibiotic rifampicin and its new amino analogues. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 2385-8	3.9	26
95	Complexes of Schiff base of gossypol with 5-hydroxy-3-oxapentylamine and Ca <sup>2+</sup> , Ba <sup>2+</sup> or Pb <sup>2+</sup> cations studied by NMR, FT-IR, ESI MS as well as PM5 semiempirical methods. <i>Journal of Molecular Structure</i> , <b>2003</b> , 658, 115-124	3.4	26
94	<sup>13</sup> C, <sup>15</sup> N NMR and CP-MAS as well as FT-IR and PM5 studies of Schiff base of gossypol with l-phenylalanine methyl ester in solution and solid. <i>Journal of Molecular Structure</i> , <b>2005</b> , 734, 123-128	3.4	26
93	Synthesis, crystal structures and antibacterial activity studies of aza-derivatives of phytoalexin from cotton plant--gossypol. <i>European Journal of Medicinal Chemistry</i> , <b>2009</b> , 44, 4393-403	6.8	25
92	Spectroscopic, mass spectrometry, and semiempirical investigation of a new ester of Monensin A with ethylene glycol and its complexes with monovalent metal cations. <i>Biopolymers</i> , <b>2006</b> , 82, 491-503	2.2	25
91	<sup>13</sup> C, <sup>15</sup> N CP-MAS, FTIR and PM5 studies of some Schiff bases of gossypol in solid. <i>Journal of Molecular Structure</i> , <b>2005</b> , 748, 111-117	3.4	25
90	Spectroscopic and semiempirical studies of new Schiff base of gossypol with allylamine in solution. <i>Journal of Molecular Structure</i> , <b>2005</b> , 750, 152-157	3.4	24
89	A new model of binding of rifampicin and its amino analogues as zwitterions to bacterial RNA polymerase. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 8283-97	3.9	23
88	<sup>1</sup> H- and <sup>13</sup> C-NMR, FTIR, UV-VIS, ESI-MS, and PM5 studies as well as emission properties of a new Schiff base of gossypol with 5-methoxytryptamine and a new hydrazone of gossypol with dansylhydrazine. <i>Biopolymers</i> , <b>2006</b> , 82, 521-35	2.2	23
87	The Schiff base of gossypol with 2-(aminomethyl)-18-crown-6 complexes and H <sup>+</sup> , Li <sup>+</sup> , Na <sup>+</sup> , K <sup>+</sup> , Rb <sup>+</sup> , Cs <sup>+</sup> cations studied by ESI MS, <sup>1</sup> H NMR, FT-IR and PM5 semiempirical methods. <i>Journal of Molecular Structure</i> , <b>2004</b> , 699, 65-77	3.4	23
86	Complexes of Schiff base of gossypol with 5-hydroxy-3-oxapentylamine and some monovalent cations studied by ESI MS as well as PM5 semiempirical methods. <i>Journal of Molecular Structure</i> , <b>2003</b> , 654, 245-252	3.4	23
85	<sup>1</sup> H, <sup>13</sup> C and <sup>15</sup> N NMR, FT-IR as well as PM5 studies of a new Schiff base of gossypol with 3,6-dioxadecylamine in solution. <i>Journal of Molecular Structure</i> , <b>2006</b> , 797, 92-98	3.4	22
84	Schiff base of gossypol with 3,6,9-trioxa-decylamine complexes with monovalent cations studied by mass spectrometry, ( <sup>1</sup> )H-NMR, FTIR, and PM5 semiempirical methods. <i>Biopolymers</i> , <b>2004</b> , 73, 470-83	2.2	22

83	Spectroscopic and semiempirical studies of a proton channel formed by the methyl ester of monensin A. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 15615-23	3.4	21
82	Complexes of Schiff base of gossypol with n-butylamine and some monovalent or bivalent cations studied by ESI MS, NMR, FT-IR as well as PM5 semiempirical methods. <i>Journal of Molecular Structure</i> , <b>2003</b> , 658, 193-205	3.4	21
81	Investigation of complex structures of a new 2-hydroxyethyl ester of Monensin A with Mg <sup>2+</sup> , Ca <sup>2+</sup> , Sr <sup>2+</sup> , Ba <sup>2+</sup> cations using electrospray ionization mass spectrometry and semiempirical PM5 methods. <i>Journal of Molecular Structure</i> , <b>2007</b> , 829, 111-119	3.4	20
80	The schiff base of gossypol with 3,6,9,12,15,18,21,24-octaoxa-pentacosylamine complexes and monovalent cations studied by electrospray ionization-mass spectrometry, (1)H nuclear magnetic resonance, Fourier transform infrared, as well as PM5 semiempirical methods. <i>Biopolymers</i> , <b>2004</b> , 74, 273-86	2.2	20
79	Modifications and Biological Activity of Natural and Semisynthetic 16-Membered Macrolide Antibiotics. <i>Current Organic Chemistry</i> , <b>2011</b> , 15, 328-374	1.7	19
78	Monensin A benzyl ester and its complexes with monovalent metal cations studied by spectroscopic, mass spectrometry and semiempirical methods. <i>Journal of Molecular Structure</i> , <b>2006</b> , 797, 99-110	3.4	19
77	NMR, FT-IR as well as PM5 semiempirical studies of new hydrazone of gossypol with 3-oxa-n-butylhydrazine. <i>Journal of Molecular Structure</i> , <b>2005</b> , 734, 45-49	3.4	19
76	NMR, FTIR, ESI-MS and semiempirical study of a new 2-(2-hydroxyethoxy)ethyl ester of monensin A and its complexes with alkali metal cations. <i>Tetrahedron</i> , <b>2007</b> , 63, 8831-8839	2.4	18
75	Multinuclear NMR, FT-IR, ESI MS studies and PM5 semiempirical calculations of new ethylene glycol ester of lasalocid acid and their complexes with K <sup>+</sup> cation. <i>Journal of Molecular Structure</i> , <b>2004</b> , 694, 55-61	3.4	18
74	ESI MS and PM5 semiempirical studies of gossypol schiff base with (R)-tetrahydrofurfurylamine complexes and monovalent cations. <i>Journal of Molecular Structure</i> , <b>2004</b> , 693, 95-102	3.4	18
73	Synthesis, docking and antibacterial studies of more potent amine and hydrazone rifamycin congeners than rifampicin. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 167, 96-104	6.8	17
72	Lasalocid polyoxaalkyl esters complexes with Li <sup>+</sup> , Na <sup>+</sup> , K <sup>+</sup> , Rb <sup>+</sup> and Cs <sup>+</sup> cations studied by ESI MS and semiempirical methods. <i>Journal of Molecular Structure</i> , <b>2004</b> , 688, 171-176	3.4	17
71	NMR, FT-IR, ESI MS studies and PM5 semiempirical calculations of lasalocid ethylene glycol ester complexes with Li <sup>+</sup> and Na <sup>+</sup> cations. <i>Journal of Molecular Structure</i> , <b>2004</b> , 694, 155-163	3.4	17
70	Cascade reactions as efficient and universal tools for construction and modification of 6-, 5-, 4- and 3-membered sulfur heterocycles of biological relevance. <i>Tetrahedron</i> , <b>2018</b> , 74, 6335-6365	2.4	17
69	X-ray, FT-IR, ESI MS and PM5 studies of Schiff base of gossypol with allylamine and its complexes with alkali metal cations and perchlorate anion. <i>Structural Chemistry</i> , <b>2008</b> , 19, 983-995	1.8	16
68	Redetermination of rifampicin pentahydrate revealing a zwitterionic form of the antibiotic. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>2012</b> , 68, o209-12		15
67	Antifungal activity of alkyl and heterocyclic aza-derivatives of gossypol as well as their complexes with NaClO <sub>4</sub> against <i>Fusarium oxysporum</i> f. sp. lupini. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 1996-2000	2.9	15
66	Spectroscopic and theoretical studies of the protonation of N-(5-nitrosalicylidene)-ethylamine. <i>Journal of Molecular Structure</i> , <b>2010</b> , 967, 140-146	3.4	15

65	Molecular structures and stability constants of gossypol and its aza-derivative complexes with silver(I) cations studied by potentiometric, ESI MS, NMR, and AM1d semiempirical methods. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 8061-9	2.8	15
64	<sup>1</sup> H, <sup>13</sup> C NMR, FT-IR as well as PM5 semiempirical studies of new hydrazone of gossypol with 2,2'-diethoxyethyl hydrazine. <i>Journal of Molecular Structure</i> , <b>2005</b> , 743, 145-149	3.4	15
63	Spectroscopic, mass spectrometry and semiempirical investigation of a new Monensin A allyl ester and its complexes with Li <sup>+</sup> , Na <sup>+</sup> and K <sup>+</sup> cations. <i>Journal of Molecular Structure</i> , <b>2007</b> , 828, 130-141	3.4	14
62	Synthesis, Antibacterial, and Anticancer Evaluation of Novel Spiramycin-Like Conjugates Containing C(5) Triazole Arm. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 7963-73	8.3	14
61	The influence of protonation on molecular structure and physico-chemical properties of gossypol Schiff bases. <i>Organic and Biomolecular Chemistry</i> , <b>2010</b> , 8, 5511-8	3.9	13
60	Solvates of Zwitterionic Rifampicin: Recurring Packing Motifs via Nonspecific Interactions. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 742-754	3.5	12
59	Unexpected $\beta$ -unsaturated products of reductive amination of the macrolide antibiotic josamycin. <i>Tetrahedron Letters</i> , <b>2009</b> , 50, 6203-6207	2	12
58	CP/MAS spectroscopy in the determination of the tautomeric forms of gossypol, its Schiff bases and hydrazones in the solid state. <i>Magnetic Resonance in Chemistry</i> , <b>2008</b> , 46, 534-44	2.1	12
57	Structure of a new Schiff base of gossypol with 1-(3-aminopropyl)-2-pyrrolidinone studied by the X-ray, FT-IR, NMR, ESI-MS and PM5 methods. <i>Journal of Molecular Structure</i> , <b>2008</b> , 889, 332-343	3.4	12
56	CP-MAS and FT-IR spectroscopic studies of new derivatives of gossypol in solid. <i>Journal of Molecular Structure</i> , <b>2005</b> , 751, 151-155	3.4	12
55	<sup>13</sup> C, <sup>15</sup> N CP-MAS as well as FT-IR studies of gossypol derivatives with aromatic substituents in solid. <i>Journal of Molecular Structure</i> , <b>2007</b> , 826, 150-155	3.4	11
54	FTIR studies of the interactions of 1,3,5-triazabicyclo[4.4.0]dec-5-ene with 4-tert-butylphenol and 4-cyanophenol. <i>Journal of Molecular Structure</i> , <b>2003</b> , 661-662, 171-182	3.4	11
53	ESI MS, NMR and PM5 semiempirical studies of oligomycin A and its complexes with Li <sup>+</sup> and Na <sup>+</sup> cations. <i>Journal of Molecular Structure</i> , <b>2005</b> , 738, 261-270	3.4	11
52	Potentiometric and AM1d studies of silicon podands-silver(I) complexes. <i>Journal of Molecular Structure</i> , <b>2005</b> , 738, 227-231	3.4	11
51	Potentiometric and AM1d studies of silicon and phosphorous podands-silver (I) complexes. <i>Journal of Molecular Structure</i> , <b>2005</b> , 749, 122-127	3.4	11
50	Spectroscopic and PM5 semiempirical studies of new hydrazone of gossypol with 3,6-dioxahexylhydrazine. <i>Journal of Molecular Structure</i> , <b>2005</b> , 754, 31-36	3.4	11
49	Structure-activity relationship studies of new rifamycins containing l-amino acid esters as inhibitors of bacterial RNA polymerases. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 116, 216-221	6.8	10
48	Toward Designing Ionic Liquids Containing a Natural Terpene Moiety as Effective Wood Preservatives. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 15628-15639	8.3	10

47	Antifungal, anticancer, and docking studies of colchicine complexes with monovalent metal cation salts. <i>Chemical Biology and Drug Design</i> , <b>2019</b> , 94, 1930-1943	2.9	9
46	Aryloxybenzylidene Ruthenium Chelates: Synthesis, Structure and Catalytic Activity in Olefin Metathesis. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 1131-1136	2.3	9
45	Potentiometric and AM1d studies of silicon and boron podandsSilver (I) complexes. <i>Journal of Molecular Structure</i> , <b>2006</b> , 788, 184-189	3.4	9
44	The reaction heats and PM5 semiempirical studies of complexes formed between silicon podand and monovalent cations. <i>Journal of Molecular Structure</i> , <b>2005</b> , 733, 231-237	3.4	9
43	The mechanism of activation of amidobenzylidene ruthenium chelates - latent catalysts of olefin metathesis. <i>Dalton Transactions</i> , <b>2017</b> , 46, 1277-1282	4.3	8
42	Multinuclear magnetic resonance, electrospray ionization-mass spectroscopy, and parametric method 5 studies of a new derivative of gossypol with 2-thiophenecarbohydrazide as well as its complexes with Li <sup>+</sup> , Na <sup>+</sup> , K <sup>+</sup> , Rb <sup>+</sup> , and Cs <sup>+</sup> cations. <i>Biopolymers</i> , <b>2006</b> , 83, 213-25	2.2	8
41	Spectroscopic and PM5 studies of a new Schiff base of Gossypol with 4'-aminobenzo-15-crown-5 in solution. <i>Journal of Molecular Structure</i> , <b>2006</b> , 794, 237-243	3.4	8
40	The reaction heats and PM5 semiempirical studies of complexes formed between silicon podand and Li <sup>+</sup> cations. <i>Journal of Molecular Structure</i> , <b>2005</b> , 741, 11-17	3.4	8
39	Specific Interactions between Rifamycin Antibiotics and Water Influencing Ability To Overcome Natural Cell Barriers and the Range of Antibacterial Potency. <i>ACS Infectious Diseases</i> , <b>2019</b> , 5, 1754-1763	5.5	6
38	16-Membered Macrolide Lactone Derivatives Bearing a Triazole-Functionalized Arm at the Aglycone C13 Position as Antibacterial and Anticancer Agents. <i>ChemMedChem</i> , <b>2016</b> , 11, 1886-91	3.7	6
37	<sup>13</sup> C and <sup>15</sup> N CP/MAS, <sup>1</sup> H- <sup>15</sup> N SCT CP/MAS and FTIR spectroscopy as tools for qualitative detection of the presence of zwitterionic and non-ionic forms of ansa-macrolide 3-formylrifamycin SV and its derivatives in solid state. <i>Magnetic Resonance in Chemistry</i> , <b>2014</b> , 52, 10-21	2.1	6
36	FT-IR, ESI and EPR studies of a Dy(III) Schiff base podand complex. <i>Journal of Non-Crystalline Solids</i> , <b>2009</b> , 355, 1355-1359	3.9	6
35	ESI MS, spectroscopic and PM5 semiempirical studies of Colchicine complexes with lithium, sodium and potassium salts. <i>Journal of Molecular Structure</i> , <b>2007</b> , 846, 13-22	3.4	6
34	Kinetic studies of complexation reaction of polyoxaalkyl phosphates with Fe(III) in ethanol. <i>Journal of Molecular Structure</i> , <b>2002</b> , 643, 9-19	3.4	6
33	Chiral ionic liquids with a (1)-menthol component as wood preservatives. <i>Holzforschung</i> , <b>2017</b> , 71, 751-757		6
32	Synthesis, structure and antimicrobial evaluation of a new gossypol triazole conjugates functionalized with aliphatic chains and benzyloxy groups. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2016</b> , 26, 4322-6	2.9	6
31	Regio- and Stereoselective Functionalization of 16-Membered Lactone Aglycone of Spiramycin via Cascade Strategy. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 7040-9	4.2	5
30	Structure and atropisomerisation of new diastereomeric gossypol Schiff bases with (R)-(+)-2-amino-3-benzyloxy-1-propanol studied by NMR, ECD and DFT methods. <i>Tetrahedron: Asymmetry</i> , <b>2010</b> , 21, 973-981		5

29	Oligomycin A complex structures with some divalent metal cations studied by ESI MS and PM5 semiempirical methods. <i>Journal of Molecular Structure</i> , <b>2007</b> , 830, 58-71	3-4	5
28	Spectroscopic studies and PM5 semiempirical calculations of new hydrazone of gossypol with 3,6,9-trioxadecylhydrazine. <i>Journal of Molecular Structure</i> , <b>2007</b> , 830, 72-77	3-4	5
27	Spectroscopic, semiempirical and X-ray structural study of the 2:1 complex of a cyclic diamide of o-phthalic acid with water molecule. <i>Journal of Molecular Structure</i> , <b>2007</b> , 840, 22-28	3-4	5
26	Structural and semiempirical investigation of hydrazone of gossypol and its protonated species. <i>Journal of Molecular Structure</i> , <b>2008</b> , 878, 71-77	3-4	5
25	Conversion of leucomycin-A3 antibiotic into novel triazole analogues via regio- and diastereoselective SN1? substitution with allylic rearrangement and 1,3-dipolar cycloaddition of CuAAC type. <i>Tetrahedron Letters</i> , <b>2016</b> , 57, 1661-1666	2	4
24	Regioselective long-range proton transfer in new rifamycin antibiotics: a process in which crown ethers act as stronger Brønsted bases than amines. <i>ChemPhysChem</i> , <b>2015</b> , 16, 938-42	3-2	4
23	Transformation of josamycin in alkaline solution. Intramolecular SN2 substitution or E1cB elimination and intramolecular Michael addition?. <i>Tetrahedron Letters</i> , <b>2011</b> , 52, 6275-6280	2	4
22	EI MS and ESI MS studies of the bisesquiterpene from cotton seeds: Gossypol and its Aza-derivatives. <i>Journal of Mass Spectrometry</i> , <b>2008</b> , 43, 680-6	2.2	4
21	Reactions of fluoronitrobenzenes with MTBD strong base in acetonitrile in the presence of water molecules. <i>Journal of Molecular Structure</i> , <b>2003</b> , 655, 259-267	3-4	4
20	Synthesis, structure and anticancer activity of new geldanamycin amine analogs containing C(17)- or C(20)- flexible and rigid arms as well as closed or open ansa-bridges. <i>European Journal of Medicinal Chemistry</i> , <b>2020</b> , 202, 112624	6.8	3
19	Impact of metal cation complexation and protonation on tautomeric and resonance forms of the oxaalkyl Schiff bases derived from 5-substituted salicylaldehyde and 2-hydroxy-1-naphthaldehyde. <i>Structural Chemistry</i> , <b>2014</b> , 25, 1733-1746	1.8	3
18	Fragmentation pathways of new aza derivatives of 16-membered macrolide antibiotic--analog of Josamycin investigated by ESI and FAB mass spectrometric methods. <i>Journal of Mass Spectrometry</i> , <b>2009</b> , 44, 1395-401	2.2	3
17	Structure elucidation, complete NMR assignment and PM5 theoretical studies of new hydroxy-aminoalkyl-alpha,beta-unsaturated derivatives of the macrolide antibiotic josamycin. <i>Magnetic Resonance in Chemistry</i> , <b>2010</b> , 48, 286-96	2.1	3
16	Spectroscopic and PM5 semiempirical studies of the proton accepting properties of 1,8-bis(tetramethylguanidino)naphthalene. <i>Journal of Molecular Structure</i> , <b>2007</b> , 844-845, 157-165	3-4	3
15	Structure and electrochemical reactivity of 3-[tris(2-methoxyethoxy)silyl]-propanethiol adsorbed on silver surface. <i>Thin Solid Films</i> , <b>2006</b> , 515, 152-157	2.2	3
14	Mass spectrometric and PM5 study of some piperidine-N-methyldiphosphonic acids and their complexes with alkali cations. <i>Journal of Molecular Structure</i> , <b>2006</b> , 782, 183-190	3-4	3
13	Kinetics and mechanism of the reaction between 2,3,4,5,6-pentafluorophenylacetonitrile and guanidine-like bases and the structure of the products. <i>Journal of Molecular Structure</i> , <b>2006</b> , 794, 230-236	3-4	3
12	Tandem construction of biological relevant aliphatic 5-membered N-heterocycles.. <i>European Journal of Medicinal Chemistry</i> , <b>2022</b> , 235, 114303	6.8	3

11	The effect of complexation of 3-formylrifamycin SV macrocyclic ether derivatives with metal cations and small nitrogen-containing organic molecules on antibacterial activity against <i>S. aureus</i> and <i>S. epidermidis</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2015</b> , 25, 3903-9	2.9	2
10	Synthesis and Antibacterial Activity of New N-Alkylammonium and Carbonate-Triazole Derivatives within Desosamine of 14- and 15-Membered Lactone Macrolides. <i>ChemMedChem</i> , <b>2020</b> , 15, 1529-1551	3.7	2
9	ESI MS, spectroscopic and semiempirical characterization of a macrobicyclic complex with Er (III) cation. <i>Journal of Molecular Structure</i> , <b>2008</b> , 878, 95-103	3.4	2
8	Anticancer activity and toxicity of new quaternary ammonium geldanamycin derivative salts and their mixtures with potentiators. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2021</b> , 36, 1898-1904	5.6	2
7	MALDI-TOF tandem mass spectrometric analysis of novel aza-analogues of semi-synthetic ansamycin antibiotic--rifampicin. <i>Journal of Mass Spectrometry</i> , <b>2011</b> , 46, 751-6	2.2	1
6	Complexes of heterocyclic aza-derivatives of phytoalexin from cotton plant-gossypol with alkali metal cations and perchlorate anion studied by ESI mass spectrometric method in the positive and negative modes. <i>Journal of Mass Spectrometry</i> , <b>2009</b> , 44, 838-46	2.2	1
5	Mass spectrometric and PM5 study of N-(2-pyridyl)-aminomethyldiphosphonic acids and their complexes with alkali cations. <i>Journal of Molecular Structure</i> , <b>2005</b> , 750, 142-151	3.4	1
4	An Approach to Modify 14-Membered Lactone Macrolide Antibiotic Scaffolds.. <i>Journal of Organic Chemistry</i> , <b>2022</b> ,	4.2	1
3	Regioselective approach to colchicine tropolone ring functionalization at C(9) and C(10) yielding new anticancer hybrid derivatives containing heterocyclic structural motifs.. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2022</b> , 37, 597-605	5.6	1
2	Cascade synthetic strategies opening access to medicinal-relevant aliphatic 3- and 4-membered N-heterocyclic scaffolds.. <i>European Journal of Medicinal Chemistry</i> , <b>2022</b> , 238, 114438	6.8	1
1	The synthesis and structural studies of a new Kempf triacid oxaalkyl ester and its complexes with Li <sup>+</sup> , Na <sup>+</sup> and K <sup>+</sup> cations. <i>Journal of Molecular Structure</i> , <b>2008</b> , 892, 470-476	3.4	