

# Maria Cecilia Bastos Vieira de Souza

## List of Publications by Year in descending order

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107  
papers

3,141  
citations

159358

30  
h-index

168136

53  
g-index

116  
all docs

116  
docs citations

116  
times ranked

3942  
citing authors

#	ARTICLE	IF	CITATIONS
1	Drug repurposing for the treatment of COVID-19: Pharmacological aspects and synthetic approaches. <i>Bioorganic Chemistry</i> , 2021, 106, 104488.	2.0	22
2	Bioactive 1,2,3-triazoles: An Account on their Synthesis, Structural Diversity and Biological Applications. <i>Chemical Record</i> , 2021, 21, 2782-2807.	2.9	41
3	Selective AMPK activator leads to unfolded protein response downregulation and induces breast cancer cell death and autophagy. <i>Life Sciences</i> , 2021, 276, 119470.	2.0	9
4	Design, synthesis, in vitro and in silico studies of novel 4-oxoquinoline ribonucleoside derivatives as HIV-1 reverse transcriptase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2020, 194, 112255.	2.6	12
5	4-Oxoquinoline Derivatives as Antivirals: A Ten Years Overview. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 244-255.	1.0	7
6	Screening of 1,2-furanonaphthoquinones 1,2,3-1H-triazoles for glycosidases inhibitory activity and free radical scavenging potential: an insight in anticancer activity. <i>Medicinal Chemistry Research</i> , 2019, 28, 1579-1588.	1.1	3
7	Synthesis and photodynamic effects of new porphyrin/4-oxoquinoline derivatives in the inactivation of <i>S. aureus</i> . <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 1910-1922.	1.6	11
8	Study on the regioselectivity of the N-ethylation reaction of N-benzyl-4-oxo-1,4-dihydroquinoline-3-carboxamide. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 388-400.	1.3	3
9	Synthesis and antitumor evaluation of hybrids of 5,8-dioxo-5,8-dihydroisoquinoline-4-carboxylates and carbohydrates. <i>Future Medicinal Chemistry</i> , 2018, 10, 527-540.	1.1	7
10	Design, Synthesis and Antileishmanial Activity of Naphthotriazolyl-4- Oxoquinolines. <i>Current Topics in Medicinal Chemistry</i> , 2018, 18, 1454-1464.	1.0	14
11	Synthesis and antimicrobial evaluation of amino sugar-based naphthoquinones and isoquinoline-5,8-diones and their halogenated compounds. <i>European Journal of Medicinal Chemistry</i> , 2018, 156, 1-12.	2.6	41
12	A Novel Naphthotriazolyl-4-oxoquinoline Derivative that Selectively Controls Breast Cancer Cells Survival Through the Induction of Apoptosis. <i>Current Topics in Medicinal Chemistry</i> , 2018, 18, 1465-1474.	1.0	10
13	Exploring 1,2,3-triazole derivatives by using in vitro and in silico assays to target new antifungal agents and treat Candidiasis. <i>Medicinal Chemistry Research</i> , 2017, 26, 680-689.	1.1	13
14	Synthesis and antimicrobial evaluation of promising 7-arylamino-5,8-dioxo-5,8-dihydroisoquinoline-4-carboxylates and their halogenated amino compounds for treating Gram-negative bacterial infections. <i>RSC Advances</i> , 2017, 7, 18311-18320.	1.7	22
15	Supramolecular assembly of (Z)-ethyl 2-cyano-3-((4-fluorophenyl)amino) acrylate, crystal structure, Hirshfeld surface analysis and DFT studies. <i>Journal of Molecular Structure</i> , 2016, 1120, 333-340.	1.8	5
16	Quinolones in the Search for New Anticancer Agents. <i>Current Pharmaceutical Design</i> , 2016, 22, 6009-6020.	0.9	30
17	Synthesis of <i>meso</i> -substituted tetraaryl-2,3-dithiaporphyrins by Heck Reaction. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 5909-5913.	1.2	4
18	Synthesis of new porphyrin/4-quinolone conjugates and evaluation of their efficiency in the photoinactivation of <i>Staphylococcus aureus</i> . <i>RSC Advances</i> , 2015, 5, 71228-71239.	1.7	27

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19	Synthesis of a new class of naphthoquinone glycoconjugates and evaluation of their potential as antitumoral agents. RSC Advances, 2015, 5, 96222-96229.	1.7	17
20	1,2,3-Triazolyl-4-oxoquinolines: A feasible beginning for promising chemical structures to inhibit oseltamivir-resistant influenza A and B viruses. Bioorganic and Medicinal Chemistry, 2015, 23, 7777-7784.	1.4	12
21	Crystallographic and computational study of 1-(arylamino)-1,2,3-triazole-4-carbohydrazides. CrystEngComm, 2015, 17, 2255-2266.	1.3	62
22	Synthesis of Novel Ethyl Anticancer Agents. Journal of Heterocyclic Chemistry, 2015, 52, 1245-1252.	1.4	7
23	Light and the Development of the Organic Chemical Industry since Antiquity. Revista Virtual De Quimica, 2015, 7, .	0.1	0
24	Synthesis, Cytotoxicity and Mechanistic Evaluation of 4-Oxoquinoline-3-carboxamide Derivatives: Finding New Potential Anticancer Drugs. Molecules, 2014, 19, 6651-6670.	1.7	14
25	International Nosocomial Infection Control Consortiu (INICC) report, data summary of 43 countries for 2007-2012. Device-associated module. American Journal of Infection Control, 2014, 42, 942-956.	1.1	233
26	Synthesis and evaluation of the cytotoxic activity of 1,2-furanonaphthoquinones tethered to 1,2,3-1H-triazoles in myeloid and lymphoid leukemia cell lines. European Journal of Medicinal Chemistry, 2014, 84, 708-717.	2.6	42
27	Exploring N-Acylhydrazone Derivatives Against Clinical Resistant Bacterial Strains. Current Microbiology, 2014, 69, 357-364.	1.0	10
28	Docking of anti-HIV-1 oxoquinoline-acylhydrazone derivatives as potential HSV-1 DNA polymerase inhibitors. Journal of Molecular Structure, 2014, 1074, 263-270.	1.8	9
29	Structural evaluation of three 2-phenylpyrazolo[4,3-c]quinolin-3-one monohydrates. Journal of Molecular Structure, 2013, 1051, 299-309.	1.8	5
30	Molecular design, synthesis and biological evaluation of 1,4-dihydro-4-oxoquinoline ribonucleosides as TcGAPDH inhibitors with trypanocidal activity. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 4597-4601.	1.0	15
31	Aryl-substituents moderate the nature of hydrogen bonds, Nâ€“Hâ€“N versus Nâ€“Hâ€“O, leading to supramolecular chains in the crystal structures of N-arylamino 1,2,3-triazole esters. CrystEngComm, 2013, 15, 4917.	1.3	37
32	Antivenom Effects of 1,2,3-Triazoles against <i>Bothrops jararaca</i> and <i>Lachesis muta</i> Snakes. BioMed Research International, 2013, 2013, 1-7.	0.9	3
33	1,2:5,6-Di-O-isopropylidene-3-C-methyl-Î±-D-allofuranose. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o1512-o1512.	0.2	0
34	Synthesis of carbohydrate-based naphthoquinones and their substituted phenylhydrazono derivatives as anticancer agents. RSC Advances, 2012, 2, 11438.	1.7	22
35	Oxoquinoline acyclonucleoside phosphonate analogues as a new class of specific inhibitors of human immunodeficiency virus type 1. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 5055-5058.	1.0	11
36	Tuberculosis: Finding a New Potential Antimycobacterium Derivative in a Aldehydeâ€“Arylhydrazoneâ€“Oxoquinoline Series. Current Microbiology, 2012, 65, 455-460.	1.0	9

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37	Synthesis and characterization of new porphyrin/4-quinolone conjugates. <i>Tetrahedron</i> , 2011, 67, 7336-7342.	1.0	27
38	Catalytic carbene insertion into an aminoporphyrin and formation of a new chiral supramolecular porphyrin system. <i>Tetrahedron Letters</i> , 2011, 52, 4741-4744.	0.7	4
39	Synthesis, antitubercular activity, and SAR study of N-substituted-phenylamino-5-methyl-1H-1,2,3-triazole-4-carbohydrazides. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 5605-5611.	1.4	53
40	Oxoquinoline Derivatives: Identification and Structure-Activity Relationship (SAR) Analysis of New Anti-HSV-1 Agents. <i>Current Microbiology</i> , 2011, 62, 1349-1354.	1.0	9
41	Synthesis and anticancer activities of some novel 2-(benzo[d]thiazol-2-yl)-8-substituted-2H-pyrazolo[4,3-c]quinolin-3(5H)-ones. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 1448-1452.	2.6	33
42	Synthesis and anti-HSV-1 activity of new 1,2,3-triazole derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 1860-1865.	1.4	70
43	Conformational analysis of a quinolonic ribonucleoside with anti-HSV-1 activity. <i>Journal of Molecular Structure</i> , 2011, 985, 1-4.	1.8	3
44	Synthesis and biological evaluation of substituted 1- and 2,3-dihydrofuran naphthoquinones as potent anticandidal agents. <i>MedChemComm</i> , 2010, 1, 229.	3.5	39
45	Synthesis of Arylporphyrins and Oligophenylenediporphyrins by the Suzuki-Miyaura Reaction. <i>Synthesis</i> , 2010, 2010, 510-514.	1.2	2
46	Cytotoxic, trypanocidal activities and physicochemical parameters of nor-lapachone-based 1,2,3-triazoles. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 635-643.	0.6	73
47	Synthesis of new glycoporphyrin derivatives through carbohydrate-substituted diazoacetates. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009, 13, 247-255.	0.4	14
48	Synthesis, HIV-RT inhibitory activity and SAR of 1-benzyl-1H-1,2,3-triazole derivatives of carbohydrates. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 373-383.	2.6	201
49	Antiviral evaluation of N-amino-1,2,3-triazoles against Cantagalo virus replication in cell culture. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 3777-3783.	2.6	102
50	Synthesis, antiplatelet and in silico evaluations of novel N-substituted-phenylamino-5-methyl-1H-1,2,3-triazole-4-carbohydrazides. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 3713-3719.	1.4	77
51	Synthesis, antiviral activity and molecular modeling of oxoquinoline derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 5476-5481.	1.4	36
52	Synthesis, biological, and theoretical evaluations of new 1,2,3-triazoles against the hemolytic profile of the <i>Lachesis muta</i> snake venom. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 7429-7434.	1.4	36
53	Characterization of HIV-1 Enzyme Reverse Transcriptase Inhibition by the Compound 6-Chloro-1,4-Dihydro-4-Oxo-1-( $\beta$ -D-Ribofuranosyl) Quinoline-3-Carboxylic Acid Through Kinetic and In Silico Studies. <i>Current HIV Research</i> , 2009, 7, 327-335.	0.2	11
54	(E)-1-Ethyl-4-oxo-(4-pyridylmethylene)-1,4-dihydroquinoline-3-carbohydrazide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o2476-o2477.	0.2	1

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55	Complete and unambiguous assignments of <sup>1</sup> H and <sup>13</sup> C chemical shifts of new arylamino derivatives of ortho-naphthofuranquinones. <i>Magnetic Resonance in Chemistry</i> , 2008, 46, 1158-1162.	1.1	5
56	A New Insight into the Catalytic Decomposition of Ethyl Diazoacetate in the Presence of meso-Tetraarylporphyrin (=5,10,15,20-tetraarylporphine) Complexes. <i>Helvetica Chimica Acta</i> , 2008, 91, 2270-2283.	1.0	14
57	Naphthoquinoidal [1,2,3]-triazole, a new structural moiety active against <i>Trypanosoma cruzi</i> . <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 1774-1780.	2.6	122
58	Synthesis and anti- <i>Trypanosoma cruzi</i> activity of derivatives from nor-lapachones and lapachones. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 5030-5038.	1.4	70
59	Synthesis of porphyrin-quinolone conjugates. <i>Tetrahedron Letters</i> , 2008, 49, 7268-7270.	0.7	34
60	Inhibition of HSV-1 replication and HSV DNA polymerase by the chloroquinolinic ribonucleoside 6-chloro-1,4-dihydro-4-oxo-1-( $\beta$ -D-ribofuranosyl) quinoline-3-carboxylic acid and its aglycone. <i>Antiviral Research</i> , 2008, 77, 20-27.	1.9	23
61	Synthesis of Glycoporphyrins by Cross-Metathesis Reactions. <i>Synlett</i> , 2008, 2008, 1205-1207.	1.0	4
62	The Compound 6-Chloro-1,4-Dihydro-4-Oxo-1-( $\beta$ -D-Ribofuranosyl) Quinoline-3-Carboxylic Acid Inhibits HIV-1 Replication by Targeting the Enzyme Reverse Transcriptase. <i>Current HIV Research</i> , 2008, 6, 209-217.	0.2	13
63	Synthesis and Anti-HSV-1 In Vitro Activity of New Phosphoramidates with 4-oxoquinoline and Phtalimidic Nuclei. <i>Letters in Organic Chemistry</i> , 2008, 5, 644-650.	0.2	2
64	One-pot preparation of substituted pyrroles from $\alpha$ -diazocarbonyl compounds. <i>Beilstein Journal of Organic Chemistry</i> , 2008, 4, 45.	1.3	2
65	One-Pot Synthesis of 2H-Chromene Derivatives from ortho-Naphthoquinones. <i>Synlett</i> , 2007, 2007, 3123-3126.	1.0	2
66	Synthesis and Anti-HSV-1 Activity of 1,4-dihydro-4-oxoquinoline Ribonucleosides. <i>Letters in Drug Design and Discovery</i> , 2007, 4, 404-409.	0.4	17
67	Synthesis of new carbonyl and fluoroalkyl o-quinone methides from $\beta$ -lapachone. <i>Tetrahedron Letters</i> , 2007, 48, 6171-6173.	0.7	10
68	Synthesis and potent antitumor activity of new arylamino derivatives of nor- $\beta$ -lapachone and nor- $\alpha$ -lapachone. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 7035-7041.	1.4	71
69	Vibrational normal modes of diazo-dimedone: A comparative study by Fourier infrared/Raman spectroscopies and conformational analysis by MM/QM. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 67, 1080-1087.	2.0	7
70	The chloroquinolinic derivative 6-chloro-1,4-dihydro-4-oxo-1-( $\beta$ -D-ribofuranosyl) quinoline-3-carboxylic acid inhibits HSV-1 adsorption by impairing its adsorption on HVEM. <i>Archives of Virology</i> , 2007, 152, 1417-1424.	0.9	9
71	Heterociclos 1,2,3-triazólicos: histórico, métodos de preparação, aplicações e atividades farmacológicas. <i>Química Nova</i> , 2006, 29, 569-579.	0.3	36
72	Mild Procedure for Preparing Vinyl diazoacetic Acid Esters of Carbohydrate Acetonides. <i>Letters in Organic Chemistry</i> , 2006, 3, 73-77.	0.2	3

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73	Trypanocidal agents with low cytotoxicity to mammalian cell line: A comparison of the theoretical and biological features of lapachone derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 5459-5466.	1.4	78
74	Synthesis and anti-HSV-1 activity of quinolonic acyclovir analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 1010-1013.	1.0	70
75	Molecular dynamics simulations of a nucleoside analogue of 1,4-dihydro-4-oxoquinoline-3-carboxylic acid synthesized as a potential antiviral agent: Conformational studies in vacuum and in water. <i>Computational and Theoretical Chemistry</i> , 2006, 778, 97-103.	1.5	6
76	Oxyrane derivative of $\hat{1}\pm$ -lapachone is potent growth inhibitor of <i>Trypanosoma cruzi</i> epimastigote forms. <i>Parasitology Research</i> , 2006, 99, 429-433.	0.6	36
77	Preparation of $\hat{1}\pm$ -diazocarbonyl compounds from $\hat{1}^2$ -lapachone derivatives and other 1,2-naphthoquinones: use of the 2D NMR $^1\text{H}$ , $^{15}\text{N}$ and $^1\text{H}$ , $^{13}\text{C}$ HMBC techniques in assigning regiochemistry. <i>Magnetic Resonance in Chemistry</i> , 2006, 44, 481-490.	1.1	12
78	Cloreto isocian $\hat{a}$ rico e cloreto cian $\hat{a}$ rico: aspectos gerais e aplica $\hat{o}$ es em s $\hat{a}$ ntese org $\hat{a}$ cnica. <i>Quimica Nova</i> , 2006, 29, 520-527.	0.3	5
79	Conformational analysis of a nucleoside of 1,4-dihydro-4-oxoquinoline-3-carboxylic acid analogue. <i>Journal of Molecular Structure</i> , 2005, 748, 137-141.	1.8	3
80	Electrochemistry of $\hat{1}^2$ -lapachone and its diazoderivative: Relevance to their compared antimicrobial activities. <i>Electrochemistry Communications</i> , 2005, 7, 767-772.	2.3	12
81	Synthesis and Antiviral Activities of New Pyrazolo[4,3- $\hat{a}$ ]quinolin $\hat{a}$ ones and Their Ribonucleoside Derivatives. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004, 23, 735-748.	0.4	20
82	Mild Diazo Transfer Reaction Catalyzed by Modified Clays.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
83	Structure $\hat{a}$ ctivity relationships of novel inhibitors of glyceraldehyde-3-phosphate dehydrogenase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 2199-2204.	1.0	30
84	Mild Diazo Transfer Reaction Catalyzed by Modified Clays. <i>Synthetic Communications</i> , 2004, 34, 951-959.	1.1	14
85	Natural clays as efficient catalysts for obtaining chiral $\hat{1}^2$ -enamino esters. <i>Catalysis Communications</i> , 2004, 5, 151-155.	1.6	39
86	Antiplatelet properties of novel N-substituted-phenyl-1,2,3-triazole-4-acylhydrazone derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 2051-2059.	1.4	168
87	Um panorama atual da qu $\hat{a}$ mica e da farmacologia de naftoquinonas, com $\hat{a}$ nfase na beta-lapachona e derivados. <i>Quimica Nova</i> , 2003, 26, 407-416.	0.3	128
88	SYNTHESIS AND ANTIVIRAL EVALUATION OF ISATIN RIBONUCLEOSIDES. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2002, 21, 825-835.	0.4	7
89	STUDIES ON THE DIASTEREO- SELECTIVE REDUCTION OF 2-ACETYL-2-ALKYL- $\hat{1}^3$ -BUTYROLACTONES WITH BORON HYDRIDES*. <i>Synthetic Communications</i> , 2002, 32, 505-526.	1.1	10
90	An Efficient and Short Route for the Synthesis of Reverse Pyrrole Ribonucleosides. <i>Journal of the Brazilian Chemical Society</i> , 2002, 13, 368-374.	0.6	6

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91	2,3-Dihydro-3,3-dimethylspiro[1H-4-oxanthracene-5,2â€²-oxiran]-10(5H)-one. Acta Crystallographica Section C: Crystal Structure Communications, 2002, 58, o560-o562.	0.4	2
92	SYNTHESIS OF 4-ACYL-1H-1,2,3-TRIAZOLIC NUCLEOSIDES. Nucleosides, Nucleotides and Nucleic Acids, 2001, 20, 1555-1569.	0.4	14
93	RECENT ADVANCES IN THE SYNTHESIS OF PYRROLES. Organic Preparations and Procedures International, 2001, 33, 411-454.	0.6	198
94	Compostos alfa-diazo carbonÃ¡licos: uma estratÃ©gia atraente para a sÃ¢ntese orgÃ¢nica. Quimica Nova, 2001, 24, 540-553.	0.3	8
95	A Two Step Synthesis of 1,2,3-Substituted Pyrroles. Synthetic Communications, 2000, 30, 3215-3226.	1.1	16
96	A Synergistic Effect of a Daily Supplement for 1 Month of 200 mg Magnesium plus 50 mg Vitamin B6 for the Relief of Anxiety-Related Premenstrual Symptoms: A Randomized, Double-Blind, Crossover Study. Journal of Women's Health and Gender-Based Medicine, 2000, 9, 131-139.	1.7	98
97	Synthesis of novel nucleosides of 4-oxoquinoline-3-carboxylic acid analogues. Heteroatom Chemistry, 1999, 10, 197-202.	0.4	20
98	Use of Protecting Groups in Carbohydrate Chemistry: An Advanced Organic Synthesis Experiment. Journal of Chemical Education, 1999, 76, 79.	1.1	20
99	A Two-Step Preparation of a New C4 Chiral Building Block Derivative of D-Erythronic Acid. Synlett, 1998, 1998, 1339-1340.	1.0	5
100	A new and efficient procedure for preparing 1,2,3-triazoles. Tetrahedron Letters, 1997, 38, 5103-5106.	0.7	40
101	SYNTHESIS OF NEW 1H-PYRAZOLO[3,4-b]PYRIDINE DERIVATIVES. Heterocyclic Communications, 1996, 2, .	0.6	2
102	Nucleosides Having Quinolone Derivatives as Nitrogenated Base: Regiospecific and Stereospecific Ribosylation of 3-Carboxy-1,4-dihydro-4-oxoquinolines. Nucleosides & Nucleotides, 1996, 15, 889-898.	0.5	21
103	Synthesis of 4-Anilino-1H-Pyrazolo [3,4-b] Pyridine Derivatives and their in vitro Antiviral Activities. Journal of the Brazilian Chemical Society, 1996, 7, 273-277.	0.6	15
104	Synthesis, Characterization and Complexation Studies with K <sup>+</sup> and Ca <sup>2+</sup> Cations of trans-1,2-Cyclohexanedioxydiacetamides. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1988, 43, 165-170.	0.3	2
105	<sup>1</sup> H and <sup>13</sup> C NMR Spectroscopic Studies of the Complexation of Phenylendioxydiacetamides with Calcium and Potassium Cations in Solution. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1984, 39, 1375-1379.	0.3	3
106	Short chain acyclic crown ethers. Monatshefte FÃ¼r Chemie, 1981, 112, 253-258.	0.9	1
107	The Ultrasound-accelerated Synthesis of New 7- Aminocarbohydrate-isoquinoline-5,8-quinone Derivatives. , 0, , .		0