

# Martha Sonia Morales-Rios

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Melatonin pharmacophoric motifs in the anancomeric spiranic oxindole-cycloalkane scaffold: Theoretical and <sup>1</sup> H NMR conformational analysis. <i>Journal of Molecular Structure</i> , 2020, 1202, 127267.	1.8	1
2	Mechanistic study of reversible solid-state melt isomerization of 2-oxindoles to 2-quinolinones and its occurrence in a mass spectrometer. <i>Journal of Molecular Structure</i> , 2019, 1175, 828-835.	1.8	3
3	Synthesis, antimicrobial activity, and molecular docking study of fluorine-substituted indole-based imidazolines. <i>Medicinal Chemistry Research</i> , 2018, 27, 1624-1633.	1.1	6
4	2-Cyano-2-indolylpropanoic acid as a chiral derivatizing agent for the absolute configuration assignment of secondary alcohols and primary amines by <sup>1</sup> H NMR and VCD. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 762-782.	1.8	6
5	Structure-selectivity relationship in the cleavage of spirocyclopropyl oxindoles: An experimental and theoretical investigation. <i>Journal of Molecular Structure</i> , 2017, 1145, 184-191.	1.8	0
6	Pharmacophore modeling and conformational analysis in the gas phase and in aqueous solution of regioisomeric melatonin analogs. A theoretical and experimental study. <i>Journal of Molecular Structure</i> , 2017, 1133, 534-545.	1.8	3
7	Absolute configuration assignment of oxindole derivatives by vibrational circular dichroism exciton coupling. <i>Tetrahedron: Asymmetry</i> , 2016, 27, 623-638.	1.8	8
8	Structure elucidation of configurational isomers of nitrile-substituted spirocyclopropyloxindoles by NMR spectroscopy, molecular modeling, and X-ray crystallography. <i>Magnetic Resonance in Chemistry</i> , 2015, 53, 1061-1070.	1.1	3
9	Formal synthesis of (âˆš)-flustramine B and its absolute configuration assignment by vibrational circular dichroism exciton chirality. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 710-720.	1.8	13
10	Complete <sup>1</sup> H NMR assignment of 3-formylindole derivatives. <i>Magnetic Resonance in Chemistry</i> , 2014, 52, 789-794.	1.1	3
11	Stereospecific <sup>5</sup> J<sub>H<sub>ortho</sub>, OMe<sub></sub> couplings in methoxyindoles, methoxycoumarins, and methoxyflavones. <i>Magnetic Resonance in Chemistry</i> , 2014, 52, 491-499.	1.1	10
12	Deuterium-induced isotope effects on the <sup>13</sup> C chemical shifts of $\beta$ -D-glucose pentaacetate. <i>Magnetic Resonance in Chemistry</i> , 2013, 51, 136-142.	1.1	1
13	Microwave-Assisted Synthesis of 3,1-Benzoxazin-2-ones from 3-Hydroxyoxindoles. <i>Heterocycles</i> , 2012, 85, 2147.	0.4	10
14	Stereochemistry modulates the catalytic hydrogenolysis of nitrile-substituted cyclopropanes. <i>Tetrahedron</i> , 2012, 68, 7187-7195.	1.0	10
15	Absolute configuration assignment of 3-indolylacetate esters. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 1279-1293.	1.8	6
16	Preparation of O-Methyl Substituted 2-Oxofuro- and 2-Oxopyrrolidinoindolines by Reductive Lactonization of Oxindol-3-Ylactic Acids. <i>Natural Product Communications</i> , 2012, 7, 1934578X1200701.	0.2	0
17	Preparation of O-methyl substituted 2-oxofuro- and 2-oxopyrrolidinoindolines by reductive lactonization of oxindol-3-yllactic acids. <i>Natural Product Communications</i> , 2012, 7, 1445-51.	0.2	0
18	Synthesis of 3-Amino-2-(3-indolyl)propanol and Propanoate Derivatives and Preliminary Cardiovascular Evaluation in Rats. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 49, 246-252.	1.2	9

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19	C-6 Regioselective Bromination of Methyl Indolyl-3-acetate. <i>Natural Product Communications</i> , 2011, 6, 1934578X1100600.	0.2	1
20	Synthesis of Pyrrolidinoindolines from 2-(2-Oxo-3-indolyl)acetates: Scope and Limitations. <i>Natural Product Communications</i> , 2011, 6, 1934578X1100600.	0.2	1
21	Absolute configuration assignment of 3-oxindolylacetyl-4-phenyloxazolidinone derivatives. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 2085-2098.	1.8	10
22	Unimolecular rearrangements of ketene acetals and fragmentations occurring in the gas phase. <i>Journal of Mass Spectrometry</i> , 2011, 46, 489-495.	0.7	1
23	A novel fluorinated stilbene exerts hepatoprotective properties in CCl <sub>4</sub> -induced acute liver damage. <i>Canadian Journal of Physiology and Pharmacology</i> , 2011, 89, 759-766.	0.7	5
24	C-6 regioselective bromination of methyl indolyl-3-acetate. <i>Natural Product Communications</i> , 2011, 6, 451-6.	0.2	4
25	Synthesis of pyrrolidinoindolines from 2-(2-oxo-3-indolyl)acetates: scope and limitations. <i>Natural Product Communications</i> , 2011, 6, 457-64.	0.2	2
26	Genomic action of permanently charged tamoxifen derivatives via estrogen receptor- $\beta$ . <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 5593-5601.	1.4	6
27	Regioselective Synthesis of 3-Indolyl(alkoxy)acetates. <i>Heterocycles</i> , 2010, 81, 1169.	0.4	5
28	Cascade [1,3]-Sigmatropic Rearrangements of Ketene Acetals: Kinetic and DFT Level Mechanistic Studies. <i>Journal of Organic Chemistry</i> , 2010, 75, 1898-1910.	1.7	6
29	DMD Mediated Formal Synthesis of ( $\pm$ )-Coerulescine. <i>Natural Product Communications</i> , 2009, 4, 1934578X0900400.	0.2	3
30	Synthesis of Indolylindolines Mediated by tert-BuNH <sub>2</sub> . <i>Heterocycles</i> , 2009, 78, 1463.	0.4	4
31	Benzylic coupling constants in toluene derivatives by $J$ doubling in the frequency domain and DFT calculations. <i>Magnetic Resonance in Chemistry</i> , 2009, 47, 437-442.	1.1	3
32	Absolute configuration determination of 2-(2-oxo-3-indolyl)acetamide derivatives. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 2374-2389.	1.8	18
33	Synthesis and Biological Evaluation of ( $\pm$ )- and (+)-Debromoflustramine B and Its Analogues as Selective Butyrylcholinesterase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 5271-5284.	2.9	55
34	Synthesis of Marine Indole Alkaloids from <i>Flustra foliacea</i> . <i>Natural Product Communications</i> , 2008, 3, 1934578X0800300.	0.2	4
35	Studies of Dihydropyridines by X-Ray Diffraction and Solid State <sup>13</sup> C NMR. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2007, 62, 549-555.	0.3	6
36	Trans-3-Phenyl-2-Propenoic Acid (Cinnamic Acid) Derivatives: Structure-Activity Relationship as Hepatoprotective Agents. <i>Medicinal Chemistry</i> , 2007, 3, 475-479.	0.7	42

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37	Wagner-Meerwein rearrangement of a [3.3.3]- to a [4.3.3]propellane: deuterium tracer and conformational analysis. <i>Magnetic Resonance in Chemistry</i> , 2007, 45, 346-350.	1.1	2
38	One-pot synthesis of conformationally restricted spirooxindoles. <i>Tetrahedron</i> , 2007, 63, 7702-7707.	1.0	14
39	Trapping enols of esters and lactones with diazomethane. <i>Tetrahedron Letters</i> , 2007, 48, 2245-2249.	0.7	8
40	First Total Synthesis of (±)-Flustraminol B. <i>Heterocycles</i> , 2007, 71, 1539.	0.4	20
41	Molecular Rearrangements of (±)-Modhephene and (±)-Isocomene to a (±)-Triquinane. <i>Journal of Organic Chemistry</i> , 2006, 71, 4411-4417.	1.7	22
42	Synthesis of Bromoindole Alkaloids from <i>Laurenciabrongniartii</i> . <i>Journal of Natural Products</i> , 2006, 69, 1596-1600.	1.5	34
43	Conformational evaluation and detailed <sup>1</sup> H and <sup>13</sup> C NMR assignments of flavoxate, a urinary tract antispasmodic agent. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 41, 603-609.	1.4	1
44	Preparation of 3-hydroxyoxindoles with dimethyldioxirane and their use for the synthesis of natural products. <i>Tetrahedron</i> , 2006, 62, 3040-3051.	1.0	63
45	Structural Characterization of Isomeric Methyl 2-(2-Oxo-3-indolyl)acetate and Methyl 1-(2-Oxo-4-quinolyl)formate. <i>Heterocycles</i> , 2006, 68, 1459.	0.4	7
46	Synthesis of (3aS-cis)-(±)- and (3aR-cis)-(+)-debromoflustramine B. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 2493-2499.	1.8	40
47	Conformational studies of N-carbomethoxy-2-alkoxyindolenines by dynamic NMR, crystallography, and molecular mechanics. <i>Tetrahedron</i> , 2005, 61, 8809-8820.	1.0	13
48	<sup>1</sup> H, <sup>13</sup> C and <sup>15</sup> N NMR assignments of phenazopyridine derivatives. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, 256-260.	1.1	9
49	Electron ionization mass spectra of indolenines obtained using sector and ion trap mass spectrometers. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 1296-1304.	0.7	3
50	Immunomodulatory effects of thalidomide analogs on LPS-induced plasma and hepatic cytokines in the rat. <i>Biochemical Pharmacology</i> , 2004, 68, 1321-1329.	2.0	30
51	Conformational insights into furo- and thieno[2,3-b]indolines derived from coupling constants and molecular modeling. <i>Magnetic Resonance in Chemistry</i> , 2004, 42, 973-976.	1.1	3
52	Synthesis of Isotope Labeled Me(3a)- <sup>13</sup> C-Physostigmine and Debromoflustramine B. <i>Heterocycles</i> , 2004, 63, 1131.	0.4	23
53	Conformational analysis of 14-hydroxymodhephene by NMR, x-ray diffraction and molecular modeling studies. <i>Magnetic Resonance in Chemistry</i> , 2003, 41, 1021-1025.	1.1	7
54	Aromatic Bromination versus Oxidation of Indolylmalonates by Bromine. <i>Journal of Organic Chemistry</i> , 2003, 68, 305-311.	1.7	9

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55	Efficient Formal Total Synthesis of Physostigmine and Physovenine: A Conformational Analysis of Key Intermediates. <i>Journal of Natural Products</i> , 2002, 65, 136-141.	1.5	41
56	AN EFFICIENT APPROACH TO 1,3,5-TRIS-ARYLHEXAHYDRO-1,3,5-TRIAZINES. <i>Synthetic Communications</i> , 2002, 32, 1407-1414.	1.1	21
57	Conformational studies on indole alkaloids from <i>Flustra foliacea</i> by NMR and molecular modeling. <i>Magnetic Resonance in Chemistry</i> , 2002, 40, 677-682.	1.1	11
58	Total Syntheses of Five Indole Alkaloids from the Marine Bryozoan <i>Flustra foliacea</i> . <i>Journal of Organic Chemistry</i> , 2001, 66, 1186-1192.	1.7	60
59	NMR and theoretical conformational studies of the anticholinergic physostigmine. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, 696-700.	1.1	3
60	Effects of thalidomide and 3-phthalimido-3-(3,4-dimethoxyphenyl)-propanamide on bile duct obstruction-induced cirrhosis in the rat. <i>Drug Development Research</i> , 2001, 54, 209-218.	1.4	19
61	Push-pull and pull-push effects in isatylidenes. <i>Magnetic Resonance in Chemistry</i> , 2000, 38, 172-176.	1.1	15
62	<sup>1</sup> H and <sup>13</sup> C NMR study of the antihypertensive drugs nifedipine, nicardipine and related compounds. <i>Magnetic Resonance in Chemistry</i> , 2000, 38, 680-683.	1.1	7
63	Configuration, stereodynamics and crystal structure of 3-substituted-2-oxofuro[2,3-b]indoles. <i>Perkin Transactions II RSC</i> , 2000, , 769-775.	1.1	7
64	Deuterium-induced carbon-13 isotope shifts in nitrogen-containing benzoheterocyclic systems. <i>Magnetic Resonance in Chemistry</i> , 1999, 37, 243-245.	1.1	4
65	<sup>13</sup> C NMR and crystallographic evidence of push-pull effects in furoindolic $\hat{\imath}^2$ -enamino esters. <i>Canadian Journal of Chemistry</i> , 1999, 77, 130-137.	0.6	8
66	General Approach to the Synthesis of Marine Bryozoan <i>Flustra foliacea</i> Alkaloids: A Total Syntheses of Debromoflustramines A and B. <i>Journal of Organic Chemistry</i> , 1999, 64, 1086-1087.	1.7	39
67	Ketenimines as Intermediates in the Hydrolytic Decyanation of $\hat{\imath}^{\pm}$ -Cyano- $\hat{\imath}^3$ -lactones. <i>Synthesis</i> , 1998, 1998, 1755-1759.	1.2	6
68	Chemoselective intramolecular annulation of 3-alkylindolines into dihydro or tetrahydrofuro[2,3-b]indoles. <i>Canadian Journal of Chemistry</i> , 1997, 75, 959-964.	0.6	9
69	Formal synthesis of ( $\hat{\imath}^{\pm}$ )-physostigmine. <i>Tetrahedron</i> , 1996, 52, 5339-5348.	1.0	21
70	<sup>35</sup> Cl/ <sup>37</sup> Cl one-bond isotope effects on <sup>13</sup> C chemical shifts in a series of para-substituted chlorobenzenes. <i>Magnetic Resonance in Chemistry</i> , 1995, 33, 149-151.	1.1	4
71	Mechanistic Studies of the Ring Expansion Reaction of Isatylidenes to Quinolines. <i>Journal of Organic Chemistry</i> , 1995, 60, 6194-6197.	1.7	7
72	Further Nuclear Magnetic Resonance Studies of Flavone. <i>Spectroscopy</i> , 1994, 12, 85-89.	0.8	5

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73	Nouvelle voie d'accès au squelette de la (±)-physostigmine. Tetrahedron Letters, 1994, 35, 881-882.	0.7	15
74	Deuterium isotope effects as evidence for substituent perturbation of the $\pi$ -electron frame in benzanilides. Magnetic Resonance in Chemistry, 1994, 32, 288-291.	1.1	5
75	Synthèse formelle de la (±)-physostigmine. Tetrahedron Letters, 1994, 35, 6087-6088.	0.7	10
76	Nitrogen-15 NMR studies of 5-substituted indoles and 4-substituted acetanilides. Evidence for cross-conjugation effects. Magnetic Resonance in Chemistry, 1993, 31, 238-240.	1.1	9
77	$^1\text{H}$ and $^{13}\text{C}$ NMR studies of E/Z 2-hydroxyindolenines. Magnetic Resonance in Chemistry, 1993, 31, 960-962.	1.1	3
78	Novel oxidations of 1,3-disubstituted indoles. Journal of Heterocyclic Chemistry, 1993, 30, 953-956.	1.4	11
79	Fischer Indole Synthesis of ( $\beta^2$ -Oxo)indol-3-yl Ketones Using Protected 1,3-Dicarbonyl Compounds. Synthetic Communications, 1992, 22, 3243-3256.	1.1	7
80	E,Z isomerization studies of ethyl 2-oxo-3-indolinyldenecyanoacetates by $^1\text{H}$ NMR spectroscopy. Magnetic Resonance in Chemistry, 1992, 30, 1153-1157.	1.1	6
81	Sensitivity of the H/D isotope shifts of the $^{13}\text{C}$ nuclear shielding to the nitrogen lone pair delocalization in anilines and acetanilides. Magnetic Resonance in Chemistry, 1991, 29, 49-53.	1.1	8
82	$^1\text{H}$ and $^{13}\text{C}$ NMR study of 1-substituted isatins and their corresponding 3-(dicyanomethylidene)indol-2-ones. Magnetic Resonance in Chemistry, 1991, 29, 893-896.	1.1	5
83	Dependence of $^{13}\text{C}$ NMR methoxy substituent chemical shift values on $\pi$ -bond orders of fused aromatic compounds. Magnetic Resonance in Chemistry, 1990, 28, 311-314.	1.1	9
84	Synthèse brève de l'indorinate. Tetrahedron Letters, 1988, 29, 2825-2826.	0.7	2
85	Rearrangement of ethylenic .alpha.-diols (3-butene-1,2-diols) to ethylenic .alpha.-diols (1-butene-3,4-diols). Journal of Organic Chemistry, 1984, 49, 2039-2040.	1.7	6