

Raul G Enriquez

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Expected and Unexpected Products in Half Curcuminoid Synthesis: Crystal Structures of But-3-en-2-ones and 3-Methylcyclohex-2-enones. <i>Crystals</i> , 2021, 11, 404.	2.2	0
2	Non-Cytotoxic Dibenzyl and Difluoroborate Curcuminoid Fluorophores Allow Visualization of Nucleus or Cytoplasm in Bioimaging. <i>Molecules</i> , 2020, 25, 3205.	3.8	4
3	Synthesis, Crystallography, and Anti-Leukemic Activity of the Amino Adducts of Dehydroleucodine. <i>Molecules</i> , 2020, 25, 4825.	3.8	3
4	Time Course of the Protective Effect of Decoction of <i>Selaginella lepidophylla</i> in Chromium VI-Induced Nephrotoxicity in Rats. <i>Revista Brasileira De Farmacognosia</i> , 2020, 30, 854-858.	1.4	1
5	Diacetylcurcumin: Its Potential Antiarthritic Effect on a Freund's Complete Adjuvant-Induced Murine Model. <i>Molecules</i> , 2019, 24, 2643.	3.8	6
6	Full Structural Characterization of Homoleptic Complexes of Diacetylcurcumin with Mg, Zn, Cu, and Mn: Cisplatin-level Cytotoxicity in Vitro with Minimal Acute Toxicity in Vivo. <i>Molecules</i> , 2019, 24, 1598.	3.8	24
7	A New Family of Homoleptic Copper Complexes of Curcuminoids: Synthesis, Characterization and Biological Properties. <i>Molecules</i> , 2019, 24, 910.	3.8	14
8	Crystal Structure, Synthesis and Biological Activity of Ether and Ester <i>trans</i> -Ferulic Acid Derivatives. <i>International Journal of Organic Chemistry</i> , 2018, 08, 359-377.	0.7	2
9	Hepta-, hexa-, penta-, tetra-, and trisaccharide resin glycosides from three species of <i>Ipomoea</i> and their antiproliferative activity on two glioma cell lines. <i>Magnetic Resonance in Chemistry</i> , 2017, 55, 214-223.	1.9	5
10	Synthesis of Curcuminoids and Evaluation of Their Cytotoxic and Antioxidant Properties. <i>Molecules</i> , 2017, 22, 633.	3.8	28
11	Dehydroleucodine, a Sesquiterpene Lactone from <i>Gynoxys verrucosa</i> , Demonstrates Cytotoxic Activity against Human Leukemia Cells. <i>Journal of Natural Products</i> , 2016, 79, 691-696.	3.0	20
12	Diastereospecific Etherification and Diastereoselective Monobromination of (R)-1-(2-Hydroxy-1-phenylethyl)-3,4-dihydropyridin-2(1H)-one. <i>Heterocycles</i> , 2015, 91, 1042.	0.7	1
13	Investigation of Three Diastereomeric Chalcone Epoxides Derivatives by NMR Spectroscopy and X-ray Crystallography. <i>Journal of Chemical Crystallography</i> , 2014, 44, 512-519.	1.1	2
14	Resin glycosides from <i>Ipomoea tyrianthina</i> and their sedative and vasorelaxant effects. <i>Journal of Natural Medicines</i> , 2014, 68, 655-667.	2.3	15
15	Synthesis, cytotoxic and antioxidant evaluations of amino derivatives from perezone. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 5077-5084.	3.0	30
16	¹ H and ¹³ C NMR characterization of new cycloartane triterpenes from <i>Mangifera indica</i> . <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 52-57.	1.9	51
17	Acetate Bridged Trinuclear Zn, Ca and Mg Metal Complexes with 2- and 4-Substituted Pyridines. <i>Journal of Chemical Crystallography</i> , 2012, 42, 794-802.	1.1	8
18	<i>Mangifera indica</i> : Crystal Structures of Two Cycloartane Type Triterpenoids Present in the Bark. <i>Journal of Chemical Crystallography</i> , 2010, 40, 241-247.	1.1	2

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19	The signal/noise of an HMBC spectrum can depend dramatically upon the choice of acquisition and processing parameters. <i>Magnetic Resonance in Chemistry</i> , 2009, 47, 1086-1094.	1.9	17
20	X-ray Crystal Structure of Grandiflorenic Acid [($\hat{\alpha}$)-kaura-9(11)-16-dien-19-oic Acid] Methyl Ester, a Compound Formerly Considered as an Oily Derivative. <i>Journal of Chemical Crystallography</i> , 2009, 39, 474-477.	1.1	1
21	A Short Synthesis of Indolizidine (+)-209B from (3R,6S,8AS)-(-)-6-Methyl-3-phenyl-hexahydrooxazolo[3,2-a]pyridin-5-one. <i>Heterocycles</i> , 2009, 78, 2589.	0.7	12
22	Hypotensive and vasorelaxant effects of the procyanidin fraction from <i>Guazuma ulmifolia</i> bark in normotensive and hypertensive rats. <i>Journal of Ethnopharmacology</i> , 2008, 117, 58-68.	4.1	52
23	Heterocyclic Derivatives of Curcumin: Crystal Structure of 3,5-Bis[.BETA.-(4-acetoxy-3-methoxyphenyl)ethyl]pyrazole Benzene Solvate. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2008, 24, X1-X2.	0.1	0
24	X-ray crystal structures of new chiral enamines from 2,4-pentanedione and their heterocyclic derivatives. <i>Journal of Chemical Crystallography</i> , 2007, 37, 119-133.	1.1	1
25	Heterocyclic Derivatives of Curcumin: Crystal Structure of 3,5-Bis[.BETA.-(4-acetoxy-3-methoxyphenyl)ethyl]isoxazol. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2006, 22, X165-X166.	0.1	0
26	Study of minimum energy conformers of N-substituted derivatives of piperidine and pyrrolidine. Evidence of weak H-bonding by theoretical correlation with experimental NMR data. <i>Journal of Molecular Structure</i> , 2006, 786, 53-64.	3.6	7
27	Efficient preparation of (1 $\hat{\alpha}$ ² R)-($\hat{\alpha}$)-1-(2 $\hat{\alpha}$ ² -hydroxy-1 $\hat{\alpha}$ ² -phenylethyl)piperidin-2-one: synthesis of (2 $\hat{\alpha}$ ² S,3R)-(+)-stenusine. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 949-952.	1.8	14
28	Pentasaccharide Glycosides from the Roots of <i>Ipomoea murucoides</i> . <i>Journal of Natural Products</i> , 2005, 68, 1141-1146.	3.0	16
29	Synthesis and Structure of New Heterocyclic Derivatives of Curcumin. <i>Heterocycles</i> , 2005, 65, 49.	0.7	9
30	Isolation and Characterization of Five New Tetrasaccharide Glycosides from the Roots of <i>Ipomoea</i> and Their Cytotoxic Activity. <i>Journal of Natural Products</i> , 2004, 67, 1552-1556.	3.0	19
31	Crystal Structure of {Acetic acid 4-[7-(4-acetoxy-3-methoxyphenyl)-3,5-dioxoheptyl]-2-methoxy ester-03.05}-boron difluoride: A Boron Complex of Acetylated Tetrahydrocurcumin Derivative. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2004, 20, X167-X168.	0.1	1
32	The advantages of forward linear prediction over multiple aliasing for obtaining high-resolution HSQC spectra in systems with extreme spectral crowding. <i>Magnetic Resonance in Chemistry</i> , 2003, 41, 927-932.	1.9	14
33	Solution ¹ H and ¹³ C NMR of new chiral 1,4-oxazepinium heterocycles and their intermediates from the reaction of 2,4-pentanedione with $\hat{\pm}$ -L-amino acids and (R)-(-)-2-phenylglycinol. <i>Magnetic Resonance in Chemistry</i> , 2003, 41, 975-982.	1.9	4
34	Choosing the Best Pulse Sequences, Acquisition Parameters, Postacquisition Processing Strategies, and Probes for Natural Product Structure Elucidation by NMR Spectroscopy. <i>Journal of Natural Products</i> , 2002, 65, 221-244.	3.0	166
35	Crystal Structure of (+)-(R)-3-Methyl-1-(1'-phenyl-ethyl)-1H-pyridin-2-one.. <i>Analytical Sciences</i> , 2001, 17, 1247-1248.	1.6	1
36	Crystal Structure of (-)-(1'R)-1-(2'-Hydroxy-1'-phenyl-ethyl)-1H-pyridin-2-one.. <i>Analytical Sciences</i> , 2001, 17, 1139-1140.	1.6	1

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37	New methodology for the synthesis of enantiopure (3R,2aR)-(âˆ“)3-phenyl-hexahydro-oxazolo[3,2-a]-pyridin-5-one: a synthesis of (S)-(+)-coniine. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 357-360.	1.8	11
38	Unexpected retro-Michael reaction of (âˆ“)-(1â€²S,4aS,8aR)- and (+)-(1â€²S,4aR,8aS)-4a-ethyl-1-(1-phenylethyl)octahydroquinolin-7-ones. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 3209-3211.	1.8	7
39	Gradient-selected versus phase-cycled HMBC and HSQC: pros and cons. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, 531-538.	1.9	24
40	Assignment of ¹ H and ¹³ C spectra and investigation of hindered side-chain rotation in lupeol derivatives. <i>Magnetic Resonance in Chemistry</i> , 2000, 38, 488-493.	1.9	84
41	Isolation and identification by 2D NMR of two new complex saponins from <i>Michroseechium helleri</i> . <i>Magnetic Resonance in Chemistry</i> , 1998, 36, S111-S117.	1.9	10
42	Oxidation of chiral non-racemic pyridinium salts to enantiopure 2-pyridone and 3-alkyl-2-pyridones. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 2027-2029.	1.8	24
43	Comparison of crystal and solution structures and ¹ H and ¹³ C chemical shifts for grandiflorenic acid, kaurenoic acid, and monoginoic acid. <i>Canadian Journal of Chemistry</i> , 1997, 75, 342-347.	1.1	18
44	Synthesis of $\hat{\pm}$ -phenyl-1-(R)-(âˆ“)-piperidineacetic esters. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 203-206.	1.8	11
45	Synthesis of (2R,3S)-(âˆ“)-2-phenyl-3-methylaziridine. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 2877-2879.	1.8	18
46	Comparison of ¹³ C Resolution and Sensitivity of HSQC and HMQC Sequences and Application of HSQC-Based Sequences to the Total ¹ H and ¹³ C Spectral Assignment of Clionasterol. <i>Magnetic Resonance in Chemistry</i> , 1997, 35, 455-462.	1.9	60
47	Investigation of the Advantages and Limitations of Forward Linear Prediction for Processing 2D Data Sets. <i>Magnetic Resonance in Chemistry</i> , 1997, 35, 505-519.	1.9	50
48	Investigating the Sensitivity Limits of ¹³ C-Detected ¹ H- ¹³ C Chemical Shift Correlation Sequences with Modern Microprobe and Microtube Technology. <i>Magnetic Resonance in Chemistry</i> , 1997, 35, 614-618.	1.9	18
49	Concerning the Recently Reassigned ¹³ C-NMR Spectrum of Taraxasteryl Acetate. <i>Planta Medica</i> , 1996, 62, 484-484.	1.3	1
50	The Unambiguous Detection of Kaurenic Derivatives in Aqueous Infusions of <i>Montanoa tomentosaby</i> GC-MS and 2D-NMR Spectroscopy: An Answer to Contradictory Reports. <i>Planta Medica</i> , 1996, 62, 569-571.	1.3	9
51	Distinguishing two-bond and three-bond ¹³ C- ¹ H connectivities by 2D BIRD-decoupled difference spectra: The DODO pulse. <i>Magnetic Resonance in Chemistry</i> , 1995, 33, 705-709.	1.9	5
52	Isolation and Characterization of Cytotoxic and Antibacterial Tetrasaccharide Glycosides from <i>Ipomoea stans</i> . <i>Journal of Natural Products</i> , 1995, 58, 1730-1734.	3.0	22
53	The Reaction of Perezone and Isoperezone with Hydroxylamine: A Surprisingly Facile Method for Introducing an NH ₂ Group into the Quinone Functionality. <i>Natural Product Research</i> , 1995, 6, 103-109.	0.4	5
54	Investigation of the effect of ring size on the product distribution for the Schiff base reaction of 2-acetylcycloalkanones with diamino alkanes. <i>Canadian Journal of Chemistry</i> , 1995, 73, 16-21.	1.1	11

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55	Pharmacology of <i>Casimiroa edulis</i> ; III. Relaxant and contractile effects in rat aortic rings. <i>Journal of Ethnopharmacology</i> , 1995, 47, 1-8.	4.1	25
56	Isomerization of Perezone into Isoperezone and Preparation of Dihydroisoperezinone. <i>Natural Product Research</i> , 1994, 4, 133-139.	0.4	22
57	The crystal and molecular structures of N,N ² -di(2-acetylcyclohexenyl)ethylenediamine and its copper(II) complex. <i>Canadian Journal of Chemistry</i> , 1993, 71, 358-363.	1.1	6
58	Characterization, by two-dimensional NMR spectroscopy, of a complex tetrasaccharide glycoside isolated from <i>Ipomoeastans</i> . <i>Canadian Journal of Chemistry</i> , 1992, 70, 1000-1008.	1.1	32
59	Further improvements in the flock sequence. <i>Magnetic Resonance in Chemistry</i> , 1992, 30, S35-S41.	1.9	10
60	Improved ¹³ C/ ¹ H shift correlation spectra for indirectly bonded carbons and hydrogens: The FLOCK sequence. <i>Magnetic Resonance in Chemistry</i> , 1989, 27, 162-169.	1.9	126
61	¹³ C/ ¹ H shift correlation with full ¹ H/ ¹ H decoupling. <i>Magnetic Resonance in Chemistry</i> , 1988, 26, 358-361.	1.9	31
62	Evaluation of pulse sequences combining ¹³ C- ¹ H shift correlation and heteronuclear J spectroscopy with full ¹ H- ¹ H decoupling. <i>Magnetic Resonance in Chemistry</i> , 1988, 26, 881-887.	1.9	7
63	¹³ C/ ¹ H shift correlation with full ¹ H/ ¹ H decoupling. Further significant improvements in resolution and sensitivity. <i>Magnetic Resonance in Chemistry</i> , 1988, 26, 1068-1074.	1.9	25
64	Optimization of sensitivity for two-dimensional shift-correlated spectra involving indirectly bonded carbons and hydrogens (INCH). <i>Journal of Magnetic Resonance</i> , 1987, 75, 414-426.	0.5	18
65	Total assignment of ¹³ C and ¹ H spectra of three isomeric triterpenol derivatives by 2D NMR: an investigation of the potential utility of ¹ H chemical shifts in structural investigations of complex natural products. <i>Tetrahedron</i> , 1986, 42, 3419-3428.	1.9	157
66	A pulse sequence which provides rapid, routine ¹ H- ¹³ C shift-correlated spectra. <i>Journal of Magnetic Resonance</i> , 1985, 64, 304-311.	0.5	23
67	Total assignment of the ¹³ C spectrum of taraxasteryl acetate by ¹³ C- ¹³ C connectivity experiments and determination of the stereochemistry of taraxasterol by X-ray diffraction. <i>Canadian Journal of Chemistry</i> , 1985, 63, 1048-1054.	1.1	19
68	High-performance liquid chromatographic study of <i>Casimiroa edulis</i> . <i>Journal of Chromatography A</i> , 1984, 287, 209-214.	3.7	20
69	The in vitro effect of grandiflorenic acid and zoapatle aqueous crude extract upon spontaneous contractility of the rat uterus during oestrus cycle. <i>Journal of Ethnopharmacology</i> , 1984, 11, 87-97.	4.1	15
70	Total assignment of ¹ H and ¹³ C spectra of kauradien-9(11),16-oic acid with the aid of heteronuclear correlated 2D spectra optimized for geminal and vicinal ¹³ C- ¹ H coupling constants: or what to do when "INADEQUATE" is impossible. <i>Canadian Journal of Chemistry</i> , 1984, 62, 2421-2425.	1.1	73
71	Determination of grandiflorenic acid in organic and aqueous extracts of <i>Montanoa tomentosa</i> (zoapatle) by reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1983, 258, 297-301.	3.7	18
72	High-performance liquid chromatographic study of <i>casimiroa edulis</i> . <i>Journal of Chromatography A</i> , 1983, 281, 245-251.	3.7	20

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73	The zoapatle II " Botanical and ecological determinants. Contraception, 1983, 27, 227-237.	1.5	10
74	The zoapatle III " Biological and uterotonic properties of aqueous plant extract. Contraception, 1983, 27, 239-253.	1.5	31
75	The zoapatle IV " Toxicological and clinical studies. Contraception, 1983, 27, 255-265.	1.5	8
76	The zoapatle V " The effect of kauradienoic acid upon uterine contractility. Contraception, 1983, 27, 267-279.	1.5	34