

# Rafael Cueto

## List of Publications by Year in descending order

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38  
papers

2,100  
citations

361413

20  
h-index

315739

38  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2365  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Free Radicals in the Toxicity of Airborne Fine Particulate Matter. <i>Chemical Research in Toxicology</i> , 2001, 14, 1371-1377.	3.3	445
2	Reaction of Uric Acid with Peroxynitrite and Implications for the Mechanism of Neuroprotection by Uric Acid. <i>Archives of Biochemistry and Biophysics</i> , 2000, 376, 333-337.	3.0	300
3	A practical method for preparing peroxynitrite solutions of low ionic strength and free of hydrogen peroxide. <i>Free Radical Biology and Medicine</i> , 1995, 18, 75-83.	2.9	177
4	Synthesis and Rapid Characterization of Amine-Functionalized Silica. <i>Langmuir</i> , 2012, 28, 5562-5569.	3.5	114
5	Carbon Dioxide Modulation of Hydroxylation and Nitration of Phenol by Peroxynitrite. <i>Archives of Biochemistry and Biophysics</i> , 1997, 345, 160-170.	3.0	110
6	Competitive reactions of peroxynitrite with 2'-deoxyguanosine and 7,8-dihydro-8-oxo-2'-deoxyguanosine (8-oxodG): Relevance to the formation of 8-oxodG in DNA exposed to peroxynitrite. <i>Free Radical Biology and Medicine</i> , 1996, 21, 407-411.	2.9	86
7	Antioxidant-mediated augmentation of ozone-induced membrane oxidation. <i>Free Radical Biology and Medicine</i> , 2005, 38, 515-526.	2.9	83
8	Inhibition of Peroxynitrite-Mediated Oxidation of Glutathione by Carbon Dioxide. <i>Archives of Biochemistry and Biophysics</i> , 1997, 339, 183-189.	3.0	77
9	Cigarette smoke chemistry: conversion of nitric oxide to nitrogen dioxide and reactions of nitrogen oxides with other smoke components as studied by Fourier transform infrared spectroscopy. <i>Vibrational Spectroscopy</i> , 1994, 7, 97-111.	2.2	68
10	[29] Synthesis of peroxynitrite by azide-ozone reaction. <i>Methods in Enzymology</i> , 1996, 269, 311-321.	1.0	66
11	Simple and Rapid Visual Sensing of Saccharides. <i>Organic Letters</i> , 1999, 1, 331-334.	4.6	66
12	Ozone Exposure Increases Aldehydes in Epithelial Lining Fluid in Human Lung. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1999, 159, 1134-1137.	5.6	55
13	Preparation of Organosoluble Silica-Polypeptide Particles by Click-Chemistry. <i>Macromolecules</i> , 2010, 43, 62-70.	4.8	52
14	Production of the criegee ozonide during the ozonation of 1-Palmitoyl-2-oleoyl-sn-glycero-3-phosphocholine liposomes. <i>Lipids</i> , 1992, 27, 955-958.	1.7	42
15	Radicals from the Pyrolysis of Tobacco. <i>Energy &amp; Fuels</i> , 2005, 19, 791-799.	5.1	40
16	Identification of heptanal and nonanal in bronchoalveolar lavage from rats exposed to low levels of ozone. <i>Biochemical and Biophysical Research Communications</i> , 1992, 188, 129-134.	2.1	39
17	[26] Selecting the most appropriate synthesis of peroxynitrite. <i>Methods in Enzymology</i> , 1996, 269, 285-295.	1.0	31
18	O <sub>3</sub> -induced formation of bioactive lipids: estimated surface concentrations and lining layer effects. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1998, 274, L1006-L1016.	2.9	29

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19	Peroxynitrite-Mediated Oxidation of d,l-Selenomethionine. <i>Free Radical Biology and Medicine</i> , 1997, 23, 917-926.	2.9	24
20	Removal of Acid Dyes from Textile Wastewaters Using Fish Scales by Absorption Process. <i>Clean Technologies</i> , 2019, 1, 311-324.	4.2	21
21	Asymmetric Flow Field-Flow Fractionation with Multiangle Light Scattering Detection for Characterization of Cellulose Nanocrystals. <i>Biomacromolecules</i> , 2012, 13, 2671-2679.	5.4	19
22	Effect of lipid ozonation products on liposomal membranes detected by Laurdan fluorescence. <i>Free Radical Biology and Medicine</i> , 1995, 19, 609-616.	2.9	18
23	Quantitative Fourier Transform Infrared Analysis of Gas Phase Cigarette Smoke and Other Gas Mixtures. <i>Analytical Letters</i> , 1989, 22, 751-763.	1.8	17
24	[17] Quantifying aldehydes and distinguishing aldehydic product profiles from autoxidation and ozonation of unsaturated fatty acids. <i>Methods in Enzymology</i> , 1994, 233, 174-182.	1.0	17
25	Sculpting the internal architecture of fluorescent silica particles via a template-free approach. <i>Journal of Colloid and Interface Science</i> , 2016, 467, 321-334.	9.4	13
26	Antioxidant transport modulates peripheral airway reactivity and inflammation during ozone exposure. <i>Journal of Applied Physiology</i> , 1999, 87, 1595-1603.	2.5	12
27	Synthesis of perfectly sulfonated sodium polystyrene sulfonate over a wide molar mass range via reversible deactivation radical polymerization. <i>Journal of Polymer Science Part A</i> , 2019, 57, 1527-1537.	2.3	12
28	Thermal degradation and flammability behavior of fire-retarded wood flour/polypropylene composites. <i>Journal of Fire Sciences</i> , 2016, 34, 226-239.	2.0	11
29	[19] Direct and simultaneous ultraviolet second-derivative spectrophotometric determination of nitrite and nitrate in preparations of peroxynitrite. <i>Methods in Enzymology</i> , 1999, 301, 178-187.	1.0	10
30	Synthesis and Characterization of Complex Mixtures Consisting of Cyclic and Linear Polyamides from Ethyl-Bis-Ketal Galactarates. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2013, 50, 940-952.	2.2	9
31	Asymmetric flow field-flow fractionation (AF4) with fluorescence and multi-detector analysis for direct, real-time, size-resolved measurements of drug release from polymeric nanoparticles. <i>Journal of Controlled Release</i> , 2021, 338, 410-421.	9.9	9
32	Separation and Characterization of Poly(tetrafluoroethylene) Latex Particles by Asymmetric Flow Field Flow Fractionation with Light-Scattering Detection. <i>Langmuir</i> , 2014, 30, 3373-3380.	3.5	7
33	Polypeptide-Coated Silica Particles Dispersed in Lyotropic Liquid Crystals of the Same Polypeptide. <i>Journal of Physical Chemistry B</i> , 2016, 120, 7275-7288.	2.6	7
34	Poly(colloid)s: Polymerization of Poly( <i>l</i> -tyrosine)-silica Composite Particles through the Photoinduced Cross-Linking of Unmodified Proteins Method. <i>Langmuir</i> , 2016, 32, 8392-8402.	3.5	5
35	Electron paramagnetic resonance measurement of trapped radical concentrations in frontally polymerized and bulk polymerized multifunctional (meth)acrylates. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4261-4266.	2.3	3
36	Detection of Aldehydes in Bronchoalveolar Lavage of Rats Exposed to Ozone. <i>Toxicological Sciences</i> , 1996, 34, 148-156.	3.1	2

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37	Sugar-Based Polyamides: Self-Organization in Strong Polar Organic Solvents. <i>Biomacromolecules</i> , 2015, 16, 3062-3072.	5.4	2
38	Surface modification strategy based on the conjugation of NaYF <sub>4</sub> :5%Eu luminescent nanoprobe with organic aromatic compounds for application in bioimaging assays. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	1.9	2