

Mila D'Angelantonio

List of Publications by Year in descending order

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50
papers

914
citations

471509

17
h-index

477307

29
g-index

51
all docs

51
docs citations

51
times ranked

993
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of formate and oxalate ions with radiation-generated radicals in aqueous solution. Methylviologen as a mechanistic probe. <i>The Journal of Physical Chemistry</i> , 1986, 90, 5347-5352.	2.9	143
2	A Reevaluation of the Ambident Reactivity of the Guanine Moiety Towards Hydroxyl Radicals. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2214-2217.	13.8	87
3	New Insights into the Reaction Paths of Hydroxyl Radicals with 2-Deoxyguanosine. <i>Chemical Research in Toxicology</i> , 2011, 24, 2200-2206.	3.3	63
4	One-electron reduction of ruthenium(II)-diimine complexes: characterization of reduced species containing 2,2'-bipyridine, 2,2'-bipyrimidine, and 2,2'-bipyrazine in aqueous solution. <i>The Journal of Physical Chemistry</i> , 1991, 95, 5121-5129.	2.9	55
5	Addition and elimination kinetics in OH radical induced oxidation of phenol and cresols in acidic and alkaline solutions. <i>Radiation Physics and Chemistry</i> , 1999, 54, 475-479.	2.8	47
6	Mechanism of CO ₂ and H ⁺ Reduction by Ni(cyclam) ⁺ in Aqueous Solution. A Pulse and Continuous Radiolysis Study. <i>Inorganic Chemistry</i> , 1999, 38, 1579-1584.	4.0	39
7	The generation and spectral characterization of oligothiophenes radical cations. A pulse radiolysis investigation. <i>Radiation Physics and Chemistry</i> , 1999, 54, 263-270.	2.8	35
8	The spectral characterization of thiophene radical cation generated by pulse radiolysis. <i>Research on Chemical Intermediates</i> , 1998, 24, 1-14.	2.7	30
9	Singlet molecular oxygen: not a major product of the reaction between tris(2,2'-bipyridine)ruthenium(3+) and superoxide radical anions. <i>Journal of the American Chemical Society</i> , 1988, 110, 2451-2457.	13.7	28
10	One-electron reduction of tris(2,2'-bipyrimidine)ruthenium(2+) ion in aqueous solution: a photochemical, radiation chemical, and electrochemical study. <i>The Journal of Physical Chemistry</i> , 1989, 93, 6080-6088.	2.9	26
11	Re-evaluation of the rate constant for the H atom reaction with tert-butanol in aqueous solution. <i>Radiation Physics and Chemistry</i> , 2004, 69, 217-219.	2.8	25
12	Fabrication of Ag nanoparticles by ¹³⁷ I-irradiation: Application to surface-enhanced Raman spectroscopy of fungicides. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 339, 60-67.	4.7	24
13	Radiation treatment of combustion gases: Formulation and test of a reaction model. <i>Radiation Physics and Chemistry</i> (1977), 1985, 25, 47-55.	0.3	22
14	Oxidation of superoxide radical anion by excited tris(2,2'-bipyridine)ruthenium(II) ion in acetonitrile: a search for singlet molecular oxygen. <i>The Journal of Physical Chemistry</i> , 1991, 95, 9605-9608.	2.9	21
15	Reactivity of Ru(bpy) ₃ ²⁺ towards the radicals originating from the scavenging of hydrogen atoms and hydroxyl radicals by methanol, ethanol, propan-2-ol, tert-butyl alcohol and formate ions in aqueous solution: a pulse radiolytic study. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991, 87, 2179.	1.7	19
16	Mechanism of OH radical-induced oxidation of p-cresol to p-methylphenoxy radical. <i>Research on Chemical Intermediates</i> , 2002, 28, 373-386.	2.7	19
17	Study of highly reactive inorganic intermediates using a fast coulometric technique. <i>Inorganica Chimica Acta</i> , 1984, 84, 105-111.	2.4	18
18	Flash photolysis and pulse radiolysis of the Co(sep) ₃ ³⁺ -X ⁻ (sep = sepulchrate; X = I, Br) systems in aqueous solution. <i>Inorganic Chemistry</i> , 1986, 25, 4249-4252.	4.0	17

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19	Pulse radiolysis of acrylamide derivatives in dilute aqueous solution. <i>Radiation Physics and Chemistry</i> , 2001, 60, 337-343.	2.8	16
20	Chemical Radiation Studies of 8-Bromo-2-deoxyinosine and 8-Bromoinosine in Aqueous Solutions. <i>Chemistry - A European Journal</i> , 2006, 12, 7684-7693.	3.3	14
21	Hierarchical Growth of Supramolecular Structures Driven by Pimerization of Tetrahedrally Arranged Bipyridinium Units. <i>Chemistry - A European Journal</i> , 2017, 23, 6380-6390.	3.3	14
22	Reaction of Hydrated Electrons with Guanine Derivatives: Tautomerism of Intermediate Species. <i>Journal of Physical Chemistry B</i> , 2009, 113, 2170-2176.	2.6	12
23	Reactivity of hypotaurine and cysteine sulfinic acid toward carbonate radical anion and nitrogen dioxide as explored by the peroxidase activity of Cu,Zn superoxide dismutase and by pulse radiolysis. <i>Free Radical Research</i> , 2014, 48, 1300-1310.	3.3	12
24	Rate coefficient for the H atom reaction with acrylate monomers in aqueous solution. <i>Tetrahedron</i> , 2003, 59, 8353-8358.	1.9	11
25	Comparison of Isoelectronic 8-HO-G and 8-NH ₂ -G Derivatives in Redox Processes. <i>Journal of the American Chemical Society</i> , 2009, 131, 15895-15902.	13.7	11
26	The solvatochromic effect on some oligothiophene radical cations: a pulse radiolysis and semiempirical investigation. <i>Radiation Physics and Chemistry</i> , 2003, 67, 251-256.	2.8	9
27	One-Electron Reduction of 8-Bromo-2-aminoadenosine in the Aqueous Phase: Radiation Chemical and DFT Studies of the Mechanism. <i>Journal of Physical Chemistry B</i> , 2008, 112, 5209-5217.	2.6	9
28	The Interaction of Hypotaurine and Other Sulfinates with Reactive Oxygen and Nitrogen Species: A Survey of Reaction Mechanisms. <i>Advances in Experimental Medicine and Biology</i> , 2017, 975 Pt 1, 573-583.	1.6	9
29	Zinc Coordination Polymers Containing the m-(2-thiazolyl)benzoic Acid Spacer: Synthesis, Characterization and Luminescent Properties in Aqueous Solutions. <i>ChemistrySelect</i> , 2016, 1, 1123-1131.	1.5	8
30	A kinetic model for radiation treatment of combustion gases. <i>Science of the Total Environment</i> , 1987, 64, 231-238.	8.0	7
31	Reaction of the OH Radical with Furfural. Spectral and Kinetic Investigation by Pulse Radiolysis and by ab Initio and Semiempirical Methods. <i>Journal of Physical Chemistry A</i> , 1999, 103, 858-864.	2.5	7
32	Short-lived inorganic species: physico-chemical properties and kinetics of transient inorganic anions. <i>Inorganica Chimica Acta</i> , 1984, 84, 71-78.	2.4	6
33	Pulse and continuous radiolysis of cyano-bridged polynuclear ruthenium complexes in aqueous solution. <i>The Journal of Physical Chemistry</i> , 1989, 93, 736-740.	2.9	6
34	Radiochromic properties of 4,4'-terthiophene cellulose triacetate films. <i>Radiation Physics and Chemistry</i> , 2000, 57, 707-710.	2.8	5
35	One-Electron Reduction of 8-Bromoisoguanosine and 8-Bromoxanthosine in the Aqueous Phase: Sequential versus Concerted Proton-Coupled Electron Routes. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 174-177.	4.6	5
36	A Fluorine 1,2-Migration via Aryl Cation/Radical/Radical Anion/Radical Sequence. <i>Organic Letters</i> , 2013, 15, 3926-3929.	4.6	5

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37	Formation of radical cations and dose response of 1,4-terthiophene-cellulose triacetate films irradiated by electrons and gamma rays. <i>Radiation Physics and Chemistry</i> , 2002, 63, 53-58.	2.8	4
38	The discrimination between triplet state and radical cation in the pulse radiolysis of bithiophene in CCl ₄ . <i>Radiation Physics and Chemistry</i> , 1999, 55, 535-539.	2.8	3
39	The Selective OH Radical Oxidation of Sorbitylfurfural: A Combined Experimental and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2002, 106, 4598-4607.	2.5	3
40	Effects of different matrixes on the dosimetric response of 1,4-terthiophene films from the kGy to MGy range. <i>Radiation Physics and Chemistry</i> , 2002, 63, 781-784.	2.8	3
41	Radiation induced NO _x /SO ₂ emission control for industrial and power plants flue gas. <i>International Journal of Radiation Applications and Instrumentation Nuclear Tracks and Radiation Measurements</i> , 1988, 31, 101-108.	0.0	2
42	Mechanism of CO ₂ and H ⁺ Reduction by Ni(cyclam) ⁺ in Aqueous Solution. A Pulse and Continuous Radiolysis Study. <i>Inorganic Chemistry</i> , 1999, 38, 2756-2756.	4.0	2
43	Study of the redox properties of biological radicals produced by reaction with short-lived inorganic species. <i>Inorganica Chimica Acta</i> , 1984, 91, L29-L30.	2.4	1
44	A re-examination of the decay kinetics of pulse radiolytically generated Br ₂ radicals in aqueous solution. <i>International Journal of Radiation Applications and Instrumentation Nuclear Tracks and Radiation Measurements</i> , 1988, 32, 319-324.	0.0	1
45	The antioxidant reactivity of sorbitylfurfural towards potential harmful radicals, studied by radiation chemistry techniques. <i>Research on Chemical Intermediates</i> , 2004, 30, 253-267.	2.7	1
46	OH radical oxidation of the sorbitylfurfural furanic ring to sugar derivatives induced by radiolysis in aerobic environment. <i>Research on Chemical Intermediates</i> , 2006, 32, 153-170.	2.7	1
47	Study of electrochemical properties of radiation induced purine and pyrimidine radicals using a microsecond voltammetric technique. <i>International Journal of Radiation Applications and Instrumentation Nuclear Tracks and Radiation Measurements</i> , 1989, 34, 857-862.	0.0	0
48	A kinetic, spectral and theoretical investigation on the role of oxygen in the radiolytic oxidation of a sorbityl cyclic acetal. <i>Research on Chemical Intermediates</i> , 2008, 34, 1-20.	2.7	0
49	Mono-electronic reduction of dihydroartemisinin (DHA): pH dependence and product analysis. <i>Tetrahedron Letters</i> , 2013, 54, 5257-5260.	1.4	0
50	Editorial. <i>Topics in Current Chemistry</i> , 2017, 375, 11.	5.8	0