Slobodan

List of Publications by Year
in descending order

33 papers	5,456 citations	279798 23 h-index	434195 31 g-index
33 all docs	33 docs citations	33 times ranked	4796 citing authors

#	Article	IF	Citations
1	How Easily Oxidizable Is DNA? One-Electron Reduction Potentials of Adenosine and Guanosine Radicals in Aqueous Solution. Journal of the American Chemical Society, 1997, 119, 617-618.	13.7	1,355
2	Flavonoids as Antioxidants. Journal of the American Chemical Society, 1994, 116, 4846-4851.	13.7	1,070
3	H-Atom Transfer Is A Preferred Antioxidant Mechanism of Curcumin. Journal of the American Chemical Society, 1999, 121, 9677-9681.	13.7	382
4	Reduction potentials of flavonoid and model phenoxyl radicals. Which ring in flavonoids is responsible for antioxidant activity?. Journal of the Chemical Society Perkin Transactions II, 1996, , 2497.	0.9	289
5	Antioxidant Potential of Gallocatechins. A Pulse Radiolysis and Laser Photolysis Study. Journal of the American Chemical Society, 1995, 117, 9881-9888.	13.7	258
6	The Trap Depth (in DNA) of 8-Oxo-7,8-dihydro-2â€˜deoxyguanosine as Derived from Electron-Transfer Equilibria in Aqueous Solution. Journal of the American Chemical Society, 2000, 122, 2373-2374.	13.7	258
7	Antioxidation mechanisms of uric acid. Journal of the American Chemical Society, 1989, 111, 5778-5782.	13.7	249
8	How Curcumin Works Preferentially with Water Soluble Antioxidants. Journal of the American Chemical Society, 2001, 123, 3064-3068.	13.7	228
9	One-electron redox potentials of purines and pyrimidines. The Journal of Physical Chemistry, 1986, 90, 974-978.	2.9	180
10	Biomarkers of oxidative stress are significantly elevated in Down syndrome. Free Radical Biology and Medicine, 1998, 25, 1044-1048.	2.9	179
11	Electron-transfer reactions of tryptophan and tyrosine derivatives. The Journal of Physical Chemistry, 1986, 90, 1935-1939.	2.9	143
12	Mechanism of OH radical reactions with thymine and uracil derivatives. Journal of the American Chemical Society, 1986, 108, 5968-5972.	13.7	120
13	Electron-transfer reactions of alkylperoxy radicals. Journal of the American Chemical Society, 1992, 114, 9018-9021.	13.7	99
14	Substituent effects on the spectral, acid-base, and redox properties of indolyl radicals: a pulse radiolysis study. The Journal of Physical Chemistry, 1992, 96, 6674-6679.	2.9	86
15	The DNA guanyl radical: kinetics and mechanisms of generation and repair. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1989, 1008, 39-44.	2.4	79
16	Antioxidant Potential of Theaflavins. A Pulse Radiolysis Study. Journal of the American Chemical Society, 1997, 119, 5337-5343.	13.7	66
17	Repair of tryptophan radicals by antioxidants. Journal of Free Radicals in Biology & Medicine, 1985, 1, 125-129.	2.1	63
18	Antioxidant activity of the pyridoindole stobadine. Pulse radiolytic characterization of one-electron-oxidized stobadine and quenching of singlet molecular oxygen. Chemical Research in Toxicology, 1992, 5, 355-360.	3.3	60

#	Article	IF	Citations
19	Kinetics and energetics of one-electron-transfer reactions involving tryptophan neutral and cation radicals. The Journal of Physical Chemistry, 1991, 95, 684-687.	2.9	58
20	One-electron reduction potentials of 5-indoxyl radicals: a pulse radiolysis and laser photolysis study. The Journal of Physical Chemistry, 1990, 94, 3583-3588.	2.9	46
21	Laser flash photolysis of dinapthyl ketones. Journal of Photochemistry and Photobiology A: Chemistry, 1997, 107, 153-158.	3.9	41
22	Heterocyclic thiols as antioxidants: Why Ovothiol C is a better antioxidant than ergothioneine. Free Radical Biology and Medicine, 1995, 18, 679-685.	2.9	40
23	Is â€œFrankâ€•DNA-Strand Breakage via the Guanine Radical Thermodynamically and Sterically Possible?. Chemistry - A European Journal, 2001, 7, 2829-2833.	3.3	35
24	Uncovering uranium isotopic heterogeneity of fuel pellets from the fifth collaborative materials exercise of The Nuclear Forensics International Technical Working Group. Journal of Radioanalytical and Nuclear Chemistry, 2020, 326, 1853-1866.	1.5	15
25	Bioaccessibility of Uranium in Soil Samples from Port Hope, Ontario, Canada. Environmental Science & Technology, 2012, 46, 9012-9018.	10.0	12
26	Heterocyclic Resonant Radicals. Free Radical Research Communications, 1989, 6, 113-115.	1.8	11
27	Magnetic field effects on radical pairs photochemically derived from 2,3,6,7-dibenzofluorenone. Journal of Photochemistry and Photobiology A: Chemistry, 1998, 113, 197-201.	3.9	11
28	Trace analysis of uranium ore concentrates using laser ablation inductively coupled plasma mass spectrometry for nuclear forensics. Journal of Radioanalytical and Nuclear Chemistry, 2020, 323, 831-838.	1.5	11
29	Formation and reactivity of carboxyphenyl radicals in aqueous solution. Radiation Physics and Chemistry, 1998, 51, 293-303.	2.8	5
30	Nuclear forensic analysis with laser ablation inductively coupled plasma mass spectrometry in CMX-6. Journal of Radioanalytical and Nuclear Chemistry, 2021, 329, 319-326.	1.5	3
31	Determination of hydrazine at Ontario nuclear power plants. Analytical Methods, 2015, 7, 9825-9834.	2.7	2
32	Free radical inactivation of trypsin. International Journal of Radiation Applications and Instrumentation Nuclear Tracks and Radiation Measurements, 1988, 32, 497-501.	0.0	1
33	Non-Proliferation Nuclear Forensics. , 2020, , .		1