Nikolaos Ioannidis

List of Publications by Year
in descending order

59 papers	1,947 citations	236925 25 h-index	254184 43 g-index
60 all docs	60 docs citations	60 times ranked	1710 citing authors

#	Article	IF	Citations
1	Chemical vs thermal exfoliation of g-C3N4 for NOx removal under visible light irradiation. Applied Catalysis B: Environmental, 2018, 239, 16-26.	20.2	185
2	Flavohemoglobin Hmp Affords Inducible Protection for Escherichia coli Respiration, Catalyzed by Cytochromesboâ€² or bd, from Nitric Oxide. Journal of Biological Chemistry, 2000, 275, 35868-35875.	3.4	158
3	Synthesis, characterization and photocatalytic evaluation of visible light activated C-doped TiO₂nanoparticles. Nanotechnology, 2012, 23, 294003.	2.6	130
4	Electron Paramagnetic Resonance Signals from the S3State of the Oxygen-Evolving Complex. A Broadened Radical Signal Induced by Low-Temperature Near-Infrared Light Illuminationâ€. Biochemistry, 2000, 39, 5246-5254.	2.5	92
5	Magnetically separable TiO2/CoFe2O4/Ag nanocomposites for the photocatalytic reduction of hexavalent chromium pollutant under UV and artificial solar light. Chemical Engineering Journal, 2020, 381, 122730.	12.7	88
6	Trapping of Metalloradical Intermediates of the S-States at Liquid Helium Temperatures. Overview of the Phenomenology and Mechanistic Implications. Biochemistry, 2005, 44, 6723-6728.	2.5	84
7	Spectroscopic studies on an oxygen-binding haemoglobin-like flavohaemoprotein from <i>Escherichia coli</i>. Biochemical Journal, 1992, 288, 649-655.	3.7	77
8	Intermediates of the S3State of the Oxygen-Evolving Complex of Photosystem IIâ€. Biochemistry, 2002, 41, 9589-9600.	2.5	69
9	The flavohaemoglobin (HMP) ofEscherichia coligenerates superoxide in vitro and causes oxidative stress in vivo. FEBS Letters, 1996, 382, 141-144.	2.8	67
10	Novel torus shaped g-C3N4 photocatalysts. Applied Catalysis B: Environmental, 2020, 268, 118733.	20.2	56
11	Near-IR Irradiation of the S2State of the Water Oxidizing Complex of Photosystem II at Liquid Helium Temperatures Produces the Metalloradical Intermediate Attributed to S1YZâ€¢Ââ€. Biochemistry, 2003, 42, 3045-3053.	2.5	55
12	Reactions of the Escherichia coli flavohaemoglobin (Hmp) with oxygen and reduced nicotinamide adenine dinucleotide: evidence for oxygen switching of flavin oxidoreduction and a mechanism for oxygen sensing. Proceedings of the Royal Society B: Biological Sciences, 1994, 255, 251-258.	2.6	54
13	Trapping of the S2 to S3 State Intermediate of the Oxygen-Evolving Complex of Photosystem II. Biochemistry, 2006, 45, 6252-6259.	2.5	54
14	Titania photonic crystal photocatalysts functionalized by graphene oxide nanocolloids. Applied Catalysis B: Environmental, 2019, 240, 277-290.	20.2	43
15	Decay Products of the S3State of the Oxygen-Evolving Complex of Photosystem II at Cryogenic Temperatures. Pathways to the Formation of theS=7/2S2State Configurationâ€. Biochemistry, 2002, 41, 9580-9588.	2.5	36
16	Direct Covalent Biomolecule Immobilization on Plasma-Nanotextured Chemically Stable Substrates. ACS Applied Materials & Interfaces, 2015, 7, 14670-14681.	8.0	36
17	A Mn(II)â˘'Mn(III) EPR Signal Arises from the Interaction of NO with the S1 State of the Water-Oxidizing Complex of Photosystem II. Biochemistry, 1998, 37, 3581-3587.	2.5	32
18	A Novel S = 7/2 Configuration of the Mn Cluster of Photosystem II. Journal of the American Chemical Society, 2001, 123, 10766-10767.	13.7	32

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19	Arylâ€"O reductive elimination from reaction of well-defined arylâ€"Cuiii species with phenolates: the importance of ligand reactivity. Dalton Transactions, 2011, 40, 8796.	3.3	30
20	La139NMR investigation of spin ordering inLa0.5Ca0.5MnO3. Physical Review B, 1997, 55, 15000-15004.	3.2	29
21	Reactions of the Escherichia coli flavohaemoglobin (Hmp) with NADH and near-micromolar oxygen: oxygen affinity of NADH oxidase activity. Microbiology (United Kingdom), 1996, 142, 1141-1148.	1.8	28
22	Proton Translocation via Tautomerization of Asn298 During the S₂â€"S₃ State Transition in the Oxygen-Evolving Complex of Photosystem II. Journal of Physical Chemistry B, 2019, 123, 3068-3078.	2.6	28
23	Arrested Substrate Binding Resolves Catalytic Intermediates in Higherâ€Plant Water Oxidation. Angewandte Chemie - International Edition, 2021, 60, 3156-3162.	13.8	28
24	The EPR Spectrum of Tyrosine Z^{â€¢} and Its Decay Kinetics in O₂-Evolving Photosystem II Preparations. Biochemistry, 2008, 47, 6292-6300.	2.5	26
25	The oxygenated flavohaemoglobin from Escherichia coli: Evidence from photodissociation and rapid-scan studies for two kinetic and spectral forms. Biochemical and Biophysical Research Communications, 1992, 187, 94-100.	2.1	25
26	NO Reversibly Reduces the Water-Oxidizing Complex of Photosystem II through S0 and S-1 to the State Characterized by the Mn(II)-Mn(III) Multiline EPR Signal. Biochemistry, 1998, 37, 16445-16451.	2.5	25
27	Photocatalytic properties of copperâ€"Modified core-shell titania nanocomposites. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 370, 145-155.	3.9	25
28	Low-Temperature Interactions of NO with the S1 and S2 States of the Water-Oxidizing Complex of Photosystem II. A Novel Mn-Multiline EPR Signal Derived from the S1 State. Biochemistry, 1997, 36, 9261-9266.	2.5	24
29	Interaction of nitric oxide with the oxygen evolving complex of photosystem II and manganese catalase: a comparative study. Journal of Biological Inorganic Chemistry, 2000, 5, 354-363.	2.6	24
30	Spectrophotometric Characterization of Intermediate Redox States of Cytochrome Oxidase. Annals of the New York Academy of Sciences, 1988, 550, 150-160.	3.8	23
31	Haem, flavin and oxygen interactions in Hmp, a flavohaemoglobin from <i>Escherichia coli</i>. Biochemical Society Transactions, 1994, 22, 709-713.	3.4	23
32	Response of the NAD(P)H-oxidising flavohaemoglobin (Hmp) to prolonged oxidative stress and implications for its physiological role inEscherichia coli. FEMS Microbiology Letters, 1998, 166, 219-223.	1.8	23
33	Probing Subtle Coordination Changes in the Ironâˆ’Quinone Complex of Photosystem II during Charge Separation, by the Use of NOâ€. Biochemistry, 2002, 41, 15212-15223.	2.5	22
34	Photocatalytic H2 Evolution, CO2 Reduction, and NOx Oxidation by Highly Exfoliated g-C3N4. Catalysts, 2020, 10, 1147.	3.5	19
35	Slow (â€˜restingâ€™) forms of mitochondrial cytochrome c oxidase consist of two kinetically distinct conformations of the binuclear CuBa3 centre â€" relevance to the mechanism of proton translocation. Biochimica Et Biophysica Acta - Bioenergetics, 1993, 1144, 149-160.	1.0	18
36	Isolation and spectroscopic characterization of a recombinant bell pepper hydroperoxide lyase. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2001, 1533, 119-127.	2.4	17

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37	Dual-Mode X-Band EPR Study of Two Isomers of the Endohedral Metallofullerene Er@C82. Journal of the American Chemical Society, 2001, 123, 9924-9925.	13.7	17
38	Conformational changes of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mtext>S</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:m /></mml:mrow></mml:msubsup></mml:mrow></mml:math> intermediate of the S2 to S3 transition in photosystem II. Journal of Photochemistry and Photobiology B: Biology, 2011, 104, 72-79.	3.8	16
39	Kinetic and mechanistic investigation of water taste and odor compound 2-isopropyl-3-methoxy pyrazine degradation using UV-A/Chlorine process. Science of the Total Environment, 2020, 732, 138404.	8.0	15
40	The Collapse of the Tyrosine Z^{â€¢}â^’Mn Spinâ^’Spin Interaction above â^¼100 K Reveals the Spectrum of Tyrosine Z^{â€¢}. An Application of Rapid-Scan EPR to the Study of Intermediates of the Water Splitting Mechanism of Photosystem II. Biochemistry, 2007, 46, 14335-14341.	2.5	14
41	Conversion of the g= 4.1 EPR signal to the multiline conformation during the S2 to S3 transition of the oxygen evolving complex of Photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 487-493.	1.0	13
42	Boosting visible light harvesting and charge separation in surface modified TiO₂ photonic crystal catalysts with CoO_x nanoclusters. Materials Advances, 2020, 1, 2310-2322.	5.4	13
43	Stability Study of Tyrosinate Radical in a Restricted Phyllomorphous Medium. Langmuir, 2002, 18, 10024-10029.	3.5	12
44	Can we trap the metalloradical intermediate during the Sâ€state transitions of Photosystem II? An EPR investigation. FEBS Letters, 2014, 588, 1827-1831.	2.8	11
45	The oxygen reactivity of bacterial respiratory haemoproteins: Oxidases and globins. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1187, 226-231.	1.0	9
46	Synthesis, characterization and antimicrobial activity of N-acetyl-3-acetyl-5-benzylidene tetramic acid-metal complexes. X-ray analysis and identification of the Cd(II) complex as a potent antifungal agent. Journal of Inorganic Biochemistry, 2019, 194, 65-73.	3.5	9
47	Theoretical study of the EPR spectrum of the S3TyrZâ€¢ metalloradical intermediate state of the O2-evolving complex of photosystem II. Photosynthesis Research, 2016, 130, 417-426.	2.9	8
48	A Bombesin Copper Complex Based on a Bifunctional Cyclam Derivative. European Journal of Inorganic Chemistry, 2012, 2012, 2877-2888.	2.0	5
49	A nonsymmetric Dy₂ single-molecule magnet with two relaxation processes triggered by an external magnetic field: a theoretical and integrated EPR study of the role of magnetic-site dilution. Dalton Transactions, 2022, 51, 1985-1994.	3.3	5
50	Arrested Substrate Binding Resolves Catalytic Intermediates in Higherâ€Plant Water Oxidation. Angewandte Chemie, 2021, 133, 3193-3199.	2.0	4
51	Photocatalytic Reduction of CO2 over Iron-Modified g-C3N4 Photocatalysts. Photochem, 2021, 1, 462-476.	2.2	4
52	The cytochrome oxidase g'=12 EPR signal. Biochemical Society Transactions, 1991, 19, 259S-259S.	3.4	3
53	Copper Coordination and the Induced Morphological Changes in Covalent Organic Frameworks. Langmuir, 2022, 38, 3082-3089.	3.5	2
54	Temperatureâ€Sensitive Structural Speciation of Cobaltâ€Iminodialcoholâ€(N,N'â€Aromatic Chelator) Systems: Lattice Architecture and Spectrochemical Properties. European Journal of Inorganic Chemistry, 2020, 2020, 2919-2940.	2.0	1

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55	Electronic Structure of Tyrosyl D Radical of Photosystem II, as Revealed by 2D-Hyperfine Sublevel Correlation Spectroscopy. Magnetochemistry, 2021, 7, 131.	2.4	1
56	Evidence for the Mn4-Yz Magnetic Interaction in Ca2+- depleted Photosystem II. Polyhedron, 2021, 206, 115335.	2.2	0
57	The Progressive Exchange-Narrowing of the S0YZ â€¢, S1YZ â€¢, and S2YZ â€¢ Spectra Reveals the Unperturbed Spectrum of Tyr Zâ€¢ in Oxygen Evolving PSII Preparations: A Rapid Scanning EPR Investigation in the Temperature Range 4.2â€"240 K. , 2008, , 543-546.		0
58	Progressive Reduction of the Mn-Catalase Mn(III)-Mn(III) State to the Mn(II)-Mn(III) and Mn(II)-Mn(II) States by Nitrogen Monoxide. , 1998, , 1323-1326.		0
59	Probing the Lower States of the Water-Oxidising Complex of Photosystem II by the Use of No as a Redox Agent. , 1998, , 1241-1246.		0