

Theodoros M Triantis

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,527
citations

186209

28
h-index

197736

49
g-index

68
all docs

68
docs citations

68
times ranked

3543
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient removal of microcystin-LR by UV-C/H ₂ O ₂ in synthetic and natural water samples. <i>Water Research</i> , 2012, 46, 1501-1510.	5.3	206
2	Destruction of microcystins by conventional and advanced oxidation processes: A review. <i>Separation and Purification Technology</i> , 2012, 91, 3-17.	3.9	180
3	Assessment of the roles of reactive oxygen species in the UV and visible light photocatalytic degradation of cyanotoxins and water taste and odor compounds using CaTiO ₃ . <i>Water Research</i> , 2016, 90, 52-61.	5.3	165
4	Temperature Effects Explain Continental Scale Distribution of Cyanobacterial Toxins. <i>Toxins</i> , 2018, 10, 156.	1.5	159
5	Photocatalytic degradation of salicylic acid and caffeine emerging contaminants using titania nanotubes. <i>Chemical Engineering Journal</i> , 2017, 310, 525-536.	6.6	119
6	New SPE-LC-MS/MS method for simultaneous determination of multi-class cyanobacterial and algal toxins. <i>Journal of Hazardous Materials</i> , 2017, 323, 56-66.	6.5	108
7	Photocatalytic reductive-oxidative degradation of Acid Orange 7 by polyoxometalates. <i>Applied Catalysis B: Environmental</i> , 2009, 86, 98-107.	10.8	89
8	Photocatalytic degradation and mineralization of microcystin-LR under UV-A, solar and visible light using nanostructured nitrogen doped TiO ₂ . <i>Journal of Hazardous Materials</i> , 2012, 211-212, 196-202.	6.5	83
9	Evaluation of the photocatalytic activity of TiO ₂ based catalysts for the degradation and mineralization of cyanobacterial toxins and water off-odor compounds under UV-A, solar and visible light. <i>Chemical Engineering Journal</i> , 2015, 261, 17-26.	6.6	75
10	Determination of microcystins and nodularin (cyanobacterial toxins) in water by LC-MS/MS. Monitoring of Lake Marathonas, a water reservoir of Athens, Greece. <i>Journal of Hazardous Materials</i> , 2013, 263, 105-115.	6.5	71
11	Carbon Electrodes Modified by Nanoscopic Iron(III) Oxides to Assemble Chemical Sensors for the Hydrogen Peroxide Amperometric Detection. <i>Electroanalysis</i> , 2007, 19, 1850-1854.	1.5	69
12	Photocatalysis by polyoxometallates and TiO ₂ : A comparative study. <i>Catalysis Today</i> , 2007, 124, 149-155.	2.2	67
13	Single and simultaneous adsorption of methyl orange and humic acid onto bentonite. <i>Applied Clay Science</i> , 2012, 70, 84-90.	2.6	66
14	Photocatalytic Degradation of Microcystin-LR and Off-Odor Compounds in Water under UV-A and Solar Light with a Nanostructured Photocatalyst Based on Reduced Graphene Oxide-TiO ₂ Composite. Identification of Intermediate Products.. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 13991-14000.	1.8	64
15	Toxic cyanobacteria and cyanotoxins in European waters – recent progress achieved through the CYANOCOST Action and challenges for further research. <i>Advances in Oceanography and Limnology</i> , 2017, 8, .	0.2	64
16	Photocatalytic degradation of lindane by polyoxometalates: Intermediates and mechanistic aspects. <i>Catalysis Today</i> , 2010, 151, 119-124.	2.2	61
17	Occurrence and diversity of cyanotoxins in Greek lakes. <i>Scientific Reports</i> , 2018, 8, 17877.	1.6	59
18	Photocatalytic degradation of cylindrospermopsin under UV-A, solar and visible light using TiO ₂ . Mineralization and intermediate products. <i>Chemosphere</i> , 2015, 119, S89-S94.	4.2	53

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19	On the photooxidative behavior of TiO ₂ and PW12O ₄₀ ³⁻ : OH radicals versus holes. Applied Catalysis B: Environmental, 2006, 68, 139-146.	10.8	52
20	Development of an integrated laboratory system for the monitoring of cyanotoxins in surface and drinking waters. Toxicon, 2010, 55, 979-989.	0.8	50
21	Photocatalytic degradation of water taste and odour compounds in the presence of polyoxometalates and TiO ₂ : Intermediates and degradation pathways. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 286, 1-9.	2.0	44
22	Photocatalytic reductive destruction of azo dyes by polyoxometallates: Naphthol blue black. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 188, 272-278.	2.0	43
23	Comparative studies on the antioxidant activity of aqueous extracts of olive oils and seed oils using chemiluminescence. Analytica Chimica Acta, 2003, 494, 41-47.	2.6	41
24	Investigations on the antioxidant activity of fruit and vegetable aqueous extracts on superoxide radical anion using chemiluminescence techniques. Analytica Chimica Acta, 2005, 536, 101-105.	2.6	41
25	Chemiluminescent studies on the antioxidant activity of amino acids. Analytica Chimica Acta, 2007, 591, 106-111.	2.6	34
26	Investigations of the adulteration of extra virgin olive oils with seed oils using their weak chemiluminescence. Analytica Chimica Acta, 2002, 464, 135-140.	2.6	33
27	Rate-Redox-Controlled Size-Selective Synthesis of Silver Nanoparticles Using Polyoxometalates. European Journal of Inorganic Chemistry, 2008, 2008, 5579-5586.	1.0	33
28	A European Multi Lake Survey dataset of environmental variables, phytoplankton pigments and cyanotoxins. Scientific Data, 2018, 5, 180226.	2.4	30
29	Photocatalytic synthesis of Se nanoparticles using polyoxometalates. Catalysis Today, 2009, 144, 2-6.	2.2	28
30	Diversity, Cyanotoxin Production, and Bioactivities of Cyanobacteria Isolated from Freshwaters of Greece. Toxins, 2019, 11, 436.	1.5	27
31	Neurotoxin BMAA and its isomeric amino acids in cyanobacteria and cyanobacteria-based food supplements. Journal of Hazardous Materials, 2019, 365, 346-365.	6.5	25
32	Development of a rapid and sensitive method for the simultaneous determination of 1,2-dibromoethane, 1,4-dichlorobenzene and naphthalene residues in honey using HS-SPME coupled with GC-MS. Analytica Chimica Acta, 2008, 617, 64-71.	2.6	24
33	Sensitized chemiluminescence of luminol catalyzed by colloidal dispersions of nanometer-sized ferric oxides. Chemical Engineering Journal, 2008, 144, 483-488.	6.6	23
34	First report of Aphanizomenon favaloroi occurrence in Europe associated with saxitoxins and a massive fish kill in Lake Vistonis, Greece. Marine and Freshwater Research, 2017, 68, 793.	0.7	21
35	Monitoring a newly re-born patient: water quality and cyanotoxin occurrence in a reconstructed shallow Mediterranean lake. Advances in Oceanography and Limnology, 2017, 8, .	0.2	19
36	Stratification strength and light climate explain variation in chlorophyll <i>a</i> at the continental scale in a European multilake survey in a heatwave summer. Limnology and Oceanography, 2021, 66, 4314-4333.	1.6	19

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37	Silver-Nafion coated cylindrical carbon fiber microelectrode for amperometric monitoring of hydrogen peroxide heterogeneous catalytic decomposition. Chemical Engineering Journal, 2010, 165, 813-818.	6.6	18
38	Cyanobacterial Toxins and Peptides in Lake Vegoritis, Greece. Toxins, 2021, 13, 394.	1.5	18
39	Radiostorage- and photostoragechemiluminescence: analytical prospects. Analytica Chimica Acta, 2000, 423, 239-245.	2.6	17
40	Sources and Occurrence of Cyanotoxins Worldwide. Environmental Pollution, 2010, , 101-127.	0.4	17
41	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.	3.9	15
42	Evaluation of food antioxidant activity by photostorage chemiluminescence. Analytica Chimica Acta, 2001, 433, 263-268.	2.6	14
43	10-(2-Biotinyloxyethyl)-9-acridone. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 181, 126-131.	2.0	11
44	Synthesis and fluorescent properties of novel biotinylated labels. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 172, 215-221.	2.0	10
45	CHAPTER 1. Photocatalytic Degradation of Organic Contaminants in Water: Process Optimization and Degradation Pathways. RSC Energy and Environment Series, 2016, , 1-34.	0.2	10
46	Î²-Î³Methylamino-L-alanine interferes with nitrogen assimilation in the cyanobacterium, non-BMAA producer, Synechococcus sp. TAU-MAC 0499. Toxicon, 2020, 185, 147-155.	0.8	9
47	Cyanotoxins in Bloom: Ever-Increasing Occurrence and Global Distribution of Freshwater Cyanotoxins from Planktic and Benthic Cyanobacteria. Toxins, 2022, 14, 264.	1.5	6
48	Investigation of the Occurrence of Cyanotoxins in Lake Karaoun (Lebanon) by Mass Spectrometry, Bioassays and Molecular Methods. Toxins, 2021, 13, 716.	1.5	4
49	Photo-, radio- and sonostoragechemiluminescence of buckminsterfullerene C 60. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 143, 93-97.	2.0	3
50	Studies on the photostoragechemiluminescence of aromatic ketones with reactive oxygen species. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 152, 11-16.	2.0	3