

# Anastasia Hiskia

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/4155156/anastasia-hiskia-publications-by-year.pdf>

**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

100 papers	4,224 citations	39 h-index	64 g-index
106 ext. papers	4,605 ext. citations	7.6 avg, IF	5.17 L-index

#	Paper	IF	Citations
100	Sublethal exposure to <i>Microcystis aeruginosa</i> extracts during embryonic development reduces aerobic swimming capacity in juvenile zebrafish.. <i>Aquatic Toxicology</i> , <b>2022</b> , 243, 106074	5.1	0
99	Radiolytic degradation of 2-methylisoborneol and geosmin in water: Reactive radical species and transformation pathways. <i>Chemical Engineering Journal Advances</i> , <b>2021</b> , 8, 100196	3.6	
98	Stratification strength and light climate explain variation in chlorophyll a at the continental scale in a European multilake survey in a heatwave summer. <i>Limnology and Oceanography</i> , <b>2021</b> , 66, 4314	4.8	2
97	Cyanobacterial Toxins and Peptides in Lake Vegoritis, Greece. <i>Toxins</i> , <b>2021</b> , 13,	4.9	2
96	Kinetic and mechanistic investigation of water taste and odor compound 2-isopropyl-3-methoxy pyrazine degradation using UV-A/Chlorine process. <i>Science of the Total Environment</i> , <b>2020</b> , 732, 138404	10.2	5
95	Fragmentation mass spectra dataset of linear cyanopeptides - microginins. <i>Data in Brief</i> , <b>2020</b> , 31, 105825	2.2	1
94	New microginins from cyanobacteria of Greek freshwaters. <i>Chemosphere</i> , <b>2020</b> , 248, 125961	8.4	14
93	β-Methylamino-L-alanine interferes with nitrogen assimilation in the cyanobacterium, non-BMAA producer, <i>Synechococcus</i> sp. TAU-MAC 0499. <i>Toxicon</i> , <b>2020</b> , 185, 147-155	2.8	3
92	Leptothoe, a new genus of marine cyanobacteria (Synechococcales) and three new species associated with sponges from the Aegean Sea. <i>Journal of Phycology</i> , <b>2019</b> , 55, 882-897	3	14
91	Membrane Lipidome Reorganization and Accumulation of Tissue DNA Lesions in Tumor-Bearing Mice: An Exploratory Study. <i>Cancers</i> , <b>2019</b> , 11,	6.6	11
90	Diversity, Cyanotoxin Production, and Bioactivities of Cyanobacteria Isolated from Freshwaters of Greece. <i>Toxins</i> , <b>2019</b> , 11,	4.9	19
89	Neurotoxin BMAA and its isomeric amino acids in cyanobacteria and cyanobacteria-based food supplements. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 365, 346-365	12.8	18
88	Diversity of cyanobacteria and the presence of cyanotoxins in the epilimnion of Lake Yerevan (Armenia). <i>Toxicon</i> , <b>2018</b> , 150, 28-38	2.8	9
87	Temperature Effects Explain Continental Scale Distribution of Cyanobacterial Toxins. <i>Toxins</i> , <b>2018</b> , 10,	4.9	109
86	A European Multi Lake Survey dataset of environmental variables, phytoplankton pigments and cyanotoxins. <i>Scientific Data</i> , <b>2018</b> , 5, 180226	8.2	15
85	Multi-electron reduction of Wells-Dawson polyoxometalate films onto metallic, semiconducting and dielectric substrates. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 21, 427-437	3.6	10
84	Occurrence and diversity of cyanotoxins in Greek lakes. <i>Scientific Reports</i> , <b>2018</b> , 8, 17877	4.9	42

83	A Greek <i>Cylindrospermopsis raciborskii</i> strain: Missing link in tropic invader's phylogeography tale. <i>Harmful Algae</i> , <b>2018</b> , 80, 96-106	5.3	15
82	Taste and Odour Compounds Produced by Cyanobacteria <b>2017</b> , 196-201		1
81	Determination of Cyanotoxins by High-Performance Liquid Chromatography with Photodiode Array <b>2017</b> , 203-211		3
80	Liquid Chromatography-Mass Spectrometry <b>2017</b> , 218-257		
79	Protein Phosphatase Inhibition Assays <b>2017</b> , 267-271		1
78	Method Validation Guidelines for the Analysis of Cyanotoxins <b>2017</b> , 285-291		
77	Lessons from the Ulfte Case <b>2017</b> , 298-308		6
76	Solid-Phase Extraction of Microcystins and Nodularin from Drinking Water <b>2017</b> , 354-357		2
75	Determination of Microcystins and Nodularin in Filtered and Drinking Water by LC-MS/MS <b>2017</b> , 372-378		2
74	Quantitative Screening of Microcystins and Nodularin in Water Samples with Commercially Available ELISA Kits <b>2017</b> , 390-392		
73	Quantitative Screening of Microcystins and Nodularin in Water Samples with Commercially Available PPIA Kits <b>2017</b> , 393-395		
72	Solid-Phase Extraction of Cylindrospermopsin from Filtered and Drinking Water <b>2017</b> , 396-398		
71	Determination of Cylindrospermopsin in Filtered and Drinking Water by LC-MS/MS <b>2017</b> , 399-404		
70	Solid-Phase Extraction of Anatoxin-a from Filtered and Drinking Water <b>2017</b> , 405-407		
69	Determination of Anatoxin-a in Filtered and Drinking Water by LC-MS/MS <b>2017</b> , 408-412		1
68	Determination of Geosmin and 2-Methylisoborneol in Water by HS-SPME-GC/MS <b>2017</b> , 469-474		0
67	Basic Validation Protocol for the Analysis of Cyanotoxins in Environmental Samples <b>2017</b> , 481-485		1
66	Purine 5S8-cyclo-2Sdeoxynucleoside lesions: formation by radical stress and repair in human breast epithelial cancer cells. <i>Free Radical Research</i> , <b>2017</b> , 51, 470-482	4	20

65	Monitoring a newly re-born patient: water quality and cyanotoxin occurrence in a reconstructed shallow Mediterranean lake. <i>Advances in Oceanography and Limnology</i> , <b>2017</b> , 8,	1.3	15
64	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> , <b>2017</b> , 8,	1.3	39
63	New SPE-LC-MS/MS method for simultaneous determination of multi-class cyanobacterial and algal toxins. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 323, 56-66	12.8	87
62	First report of Aphanizomenon favaloroi occurrence in Europe associated with saxitoxins and a massive fish kill in Lake Vistonis, Greece. <i>Marine and Freshwater Research</i> , <b>2017</b> , 68, 793	2.2	18
61	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 C-TiO <sub>2</sub> . <i>Water Research</i> , <b>2016</b> , 90, 52-61	12.5	131
60	CHAPTER 1:Photocatalytic Degradation of Organic Contaminants in Water: Process Optimization and Degradation Pathways. <i>RSC Energy and Environment Series</i> , <b>2016</b> , 1-34	0.6	6
59	A Collaborative Evaluation of LC-MS/MS Based Methods for BMAA Analysis: Soluble Bound BMAA Found to Be an Important Fraction. <i>Marine Drugs</i> , <b>2016</b> , 14,	6	39
58	Destruction of microcystins (cyanotoxins) by UV-254 nm-based direct photolysis and advanced oxidation processes (AOPs): influence of variable amino acids on the degradation kinetics and reaction mechanisms. <i>Water Research</i> , <b>2015</b> , 74, 227-38	12.5	70
57	Photocatalytic degradation of cylindrospermopsin under UV-A, solar and visible light using TiO <sub>2</sub> . Mineralization and intermediate products. <i>Chemosphere</i> , <b>2015</b> , 119 Suppl, S89-94	8.4	45
56	Photocatalytic degradation of water taste and odour compounds in the presence of polyoxometalates and TiO <sub>2</sub> : Intermediates and degradation pathways. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2014</b> , 286, 1-9	4.7	30
55	Transformation Products of Hazardous Cyanobacterial Metabolites in Water <b>2014</b> , 675-708		1
54	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> , <b>2013</b> , 263 Pt 1, 105-15	12.8	57
53	A review on cylindrospermopsin: the global occurrence, detection, toxicity and degradation of a potent cyanotoxin. <i>Environmental Sciences: Processes and Impacts</i> , <b>2013</b> , 15, 1979-2003	4.3	128
52	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 <sub>2</sub> Composite. Identification of Intermediate Products.. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 13991-14000	3.9	57
51	Destruction of microcystins by conventional and advanced oxidation processes: A review. <i>Separation and Purification Technology</i> , <b>2012</b> , 91, 3-17	8.3	156
50	Efficient removal of microcystin-LR by UV-C/H <sub>2</sub> O <sub>2</sub> in synthetic and natural water samples. <i>Water Research</i> , <b>2012</b> , 46, 1501-10	12.5	178
49	Can we effectively degrade microcystins?--Implications on human health. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2011</b> , 11, 19-37	2.2	59
48	Development of an integrated laboratory system for the monitoring of cyanotoxins in surface and drinking waters. <i>Toxicon</i> , <b>2010</b> , 55, 979-89	2.8	37

47	Development of a fast and selective method for the sensitive determination of anatoxin-a in lake waters using liquid chromatography-tandem mass spectrometry and phenylalanine-d5 as internal standard. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 397, 2245-52	4.4	33
46	Photocatalytic degradation of lindane by polyoxometalates: Intermediates and mechanistic aspects. <i>Catalysis Today</i> , <b>2010</b> , 151, 119-124	5.3	48
45	Sources and Occurrence of Cyanotoxins Worldwide. <i>Environmental Pollution</i> , <b>2010</b> , 101-127	0	13
44	Photocatalytic synthesis of Se nanoparticles using polyoxometalates. <i>Catalysis Today</i> , <b>2009</b> , 144, 2-6	5.3	24
43	Photocatalytic reductive-oxidative degradation of Acid Orange 7 by polyoxometalates. <i>Applied Catalysis B: Environmental</i> , <b>2009</b> , 86, 98-107	21.8	81
42	Rate-Redox-Controlled Size-Selective Synthesis of Silver Nanoparticles Using Polyoxometalates. <i>European Journal of Inorganic Chemistry</i> , <b>2008</b> , 2008, 5579-5586	2.3	32
41	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. <i>Analytica Chimica Acta</i> , <b>2008</b> , 617, 64-71	6.6	17
40	Photocatalysis by polyoxometallates and TiO <sub>2</sub> : A comparative study. <i>Catalysis Today</i> , <b>2007</b> , 124, 149-155	5.3	64
39	Photocatalytic reductive destruction of azo dyes by polyoxometallates: Naphthol blue black. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2007</b> , 188, 272-278	4.7	37
38	Assessment of bisphenol-A release from orthodontic adhesives. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , <b>2007</b> , 131, 72-5	2.1	45
37	Photocatalytic reduction of chromium and oxidation of organics by polyoxometalates. <i>Applied Catalysis B: Environmental</i> , <b>2006</b> , 62, 28-34	21.8	73
36	On the photooxidative behavior of TiO <sub>2</sub> and PW12O <sub>40</sub> <sup>3-</sup> OH radicals versus holes. <i>Applied Catalysis B: Environmental</i> , <b>2006</b> , 68, 139-146	21.8	45
35	Polyoxometallate photocatalysis for decontaminating the aquatic environment from organic and inorganic pollutants. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2006</b> , 86, 233-242	1.8	35
34	Photocatalytic reduction of metals using polyoxometallates: recovery of metals or synthesis of metal nanoparticles. <i>Comptes Rendus Chimie</i> , <b>2006</b> , 9, 851-857	2.7	44
33	Photocatalytic reduction and recovery of mercury by polyoxometalates. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 4242-8	10.3	39
32	Light-cured or chemically cured orthodontic adhesive resins? A selection based on the degree of cure, monomer leaching, and cytotoxicity. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , <b>2005</b> , 127, 413-9; quiz 516	2.1	56
31	Polyoxometallates as effective photocatalysts in water purification from pesticides. <i>International Journal of Photoenergy</i> , <b>2004</b> , 6, 227-231	2.1	26
30	Photolytic and photocatalytic decomposition of fenitrothion by PW12O <sub>40</sub> <sup>3-</sup> and TiO <sub>2</sub> : a comparative study. <i>Applied Catalysis B: Environmental</i> , <b>2004</b> , 48, 175-183	21.8	50

29	Selective photocatalytic reduction and recovery of palladium using polyoxometallates. <i>Applied Catalysis B: Environmental</i> , <b>2004</b> , 52, 41-48	21.8	33
28	Photocatalytic processes with tungsten oxygen anion clusters. <i>Frontiers in Bioscience - Landmark</i> , <b>2003</b> , 8, s813-25	2.8	9
27	Photocatalytic reduction and recovery of silver using polyoxometalates. <i>Applied Catalysis B: Environmental</i> , <b>2003</b> , 42, 305-315	21.8	49
26	Identification of photocatalytic degradation products of diazinon in TiO <sub>2</sub> aqueous suspensions using GC/MS/MS and LC/MS with quadrupole time-of-flight mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2003</b> , 14, 803-17	3.5	101
25	Synthesis of Metal Nanoparticles by Using Polyoxometalates as Photocatalysts and Stabilizers. <i>Angewandte Chemie</i> , <b>2002</b> , 114, 1991	3.6	15
24	Synthesis of Metal Nanoparticles by Using Polyoxometalates as Photocatalysts and Stabilizers. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 1911	16.4	248
23	Preparation, characterization and photocatalytic activity of nanocrystalline thin film TiO <sub>2</sub> catalysts towards 3,5-dichlorophenol degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2002</b> , 149, 237-245	4.7	180
22	Photolytic degradation of all chlorophenols with polyoxometallates and H <sub>2</sub> O <sub>2</sub> . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2002</b> , 148, 191-197	4.7	78
21	Photocatalytic reduction and recovery of copper by polyoxometalates. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 5355-62	10.3	65
20	Synthesis of metal nanoparticles by using polyoxometalates as photocatalysts and stabilizers. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 1911-4	16.4	9
19	Photocatalytic transformations of CCl <sub>3</sub> Br, CBr <sub>3</sub> F, CHCl <sub>2</sub> Br and CH <sub>2</sub> BrCl in aerobic and anaerobic conditions. <i>Applied Catalysis B: Environmental</i> , <b>2001</b> , 29, 23-34	21.8	19
18	Reduction and recovery of metals from aqueous solutions with polyoxometallates. <i>New Journal of Chemistry</i> , <b>2001</b> , 25, 361-363	3.6	45
17	Comparison of the photoredox properties of polyoxometallates and semiconducting particles. <i>Chemical Society Reviews</i> , <b>2001</b> , 30, 62-69	58.5	425
16	Sonolytic, photolytic, and photocatalytic decomposition of atrazine in the presence of polyoxometalates. <i>Environmental Science &amp; Technology</i> , <b>2001</b> , 35, 2358-64	10.3	55
15	Photocatalytic mineralization of chlorinated organic pollutants in water by polyoxometallates. Determination of intermediates and final degradation products. <i>Research on Chemical Intermediates</i> , <b>2000</b> , 26, 235-251	2.8	14
14	Light Induced Elimination of Mono- and Polychlorinated Phenols from Aqueous Solutions by PW12O <sub>40</sub> <sup>3-</sup> . The Case of 2,4,6-Trichlorophenol. <i>Environmental Science &amp; Technology</i> , <b>2000</b> , 34, 2024-2028	10.3	62
13	Preparation, fractal surface morphology and photocatalytic properties of TiO <sub>2</sub> films. <i>Thin Solid Films</i> , <b>1999</b> , 357, 173-178	2.2	93
12	Photolytic and photocatalytic decomposition of bromomethanes in irradiated aqueous solutions. <i>Applied Catalysis B: Environmental</i> , <b>1999</b> , 21, 191-202	21.8	37

11	Determination of organochlorine pesticide residues in honey, applying solid phase extraction with RP-C18 material. <i>Analyst, The</i> , <b>1999</b> , 124, 473-5	5	42
10	New aspect of the mechanism of photocatalytic oxidation of organic compounds by polyoxometalates in aqueous solutions. The selective photooxidation of propan-2-ol to propanone: The role of OH radicals. <i>Physical Chemistry Chemical Physics</i> , <b>1999</b> , 1, 437-440	3.6	77
9	Determination of Acidic Pesticides in the Drinking Water of Greece Using Capillary Gas Chromatography-Mass Spectrometry. <i>Water, Air, and Soil Pollution</i> , <b>1998</b> , 104, 259-268	2.6	6
8	Determination of Organophosphorus Pesticide Residues in Greek Virgin Olive Oil by Capillary Gas Chromatography. <i>Journal of Agricultural and Food Chemistry</i> , <b>1998</b> , 46, 570-574	5.7	44
7	Photocatalytic Degradation of Lindane in Aqueous Solution. <i>Pest Management Science</i> , <b>1997</b> , 50, 171-174		14
6	Organochlorine pesticides and triazines in the drinking water of Athens. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>1996</b> , 57, 250-7	2.7	13
5	Contribution to water purification using polyoxometalates. Aromatic derivatives, chloroacetic acids. <i>Journal of Molecular Catalysis A</i> , <b>1996</b> , 114, 191-200		73
4	Photocatalytic processes by polyoxometalates. Splitting of water. The role of dioxygen. <i>Molecular Engineering</i> , <b>1993</b> , 3, 231-239		14
3	Photocatalytic oxidation of organic compounds by polyoxometalates of molybdenum and tungsten. Catalyst regeneration by dioxygen. <i>Inorganic Chemistry</i> , <b>1992</b> , 31, 163-167	5.1	134
2	Thermal and photochemical catalysis by polyoxometallates Regeneration of catalyst by dioxygen. <i>Studies in Surface Science and Catalysis</i> , <b>1991</b> , 66, 429-435	1.8	1
1	Selective photocatalytic oxidation of alcohols by heteropolytungstates. <i>Polyhedron</i> , <b>1988</b> , 7, 477-481	2.7	19