

# Aron Hakonen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8862888/publications.pdf>

Version: 2024-02-01

25  
papers

1,214  
citations

430874

18  
h-index

580821

25  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1604  
citing authors

#	ARTICLE	IF	CITATIONS
1	Millions of microplastics released from a biodegradable polymer during biodegradation/enzymatic hydrolysis. <i>Water Research</i> , 2022, 211, 118068.	11.3	60
2	Visualizing undyed microplastic particles and fibers with plasmon-enhanced fluorescence. <i>Chemical Engineering Journal</i> , 2022, 442, 136117.	12.7	9
3	Microplastics generated from a biodegradable plastic in freshwater and seawater. <i>Water Research</i> , 2021, 198, 117123.	11.3	140
4	Selective surface-enhanced Raman scattering detection of Tabun, VX and Cyclosarin nerve agents using 4-pyridine amide oxime functionalized gold nanopillars. <i>Talanta</i> , 2020, 211, 120721.	5.5	18
5	Variations of fuel composition during storage at Liquefied Natural Gas refuelling stations. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 49, 317-323.	4.4	6
6	Fluorescence and Naked-Eye Detection of Pb <sup>2+</sup> in Drinking Water Using a Low-Cost Ionophore Based Sensing Scheme. <i>Chemosensors</i> , 2018, 6, 51.	3.6	13
7	Hue Parameter Fluorescence Identification of Edible Oils with a Smartphone. <i>ACS Sensors</i> , 2018, 3, 2061-2065.	7.8	22
8	Detecting forensic substances using commercially available SERS substrates and handheld Raman spectrometers. <i>Talanta</i> , 2018, 189, 649-652.	5.5	53
9	Particles in fuel-grade Liquefied Natural Gas. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 55, 350-353.	4.4	2
10	Hand-Held Femtogram Detection of Hazardous Picric Acid with Hydrophobic Ag Nanopillar SERS Substrates and Mechanism of Elasto-Capillarity. <i>ACS Sensors</i> , 2017, 2, 198-202.	7.8	81
11	Detection of nerve gases using surface-enhanced Raman scattering substrates with high droplet adhesion. <i>Nanoscale</i> , 2016, 8, 1305-1308.	5.6	91
12	Wafer-Scale Leaning Silver Nanopillars for Molecular Detection at Ultra-Low Concentrations. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2053-2062.	3.1	71
13	Explosive and chemical threat detection by surface-enhanced Raman scattering: A review. <i>Analytica Chimica Acta</i> , 2015, 893, 1-13.	5.4	252
14	Dimer-on-mirror SERS substrates with attogram sensitivity fabricated by colloidal lithography. <i>Nanoscale</i> , 2015, 7, 9405-9410.	5.6	98
15	Digital colour tone for fluorescence sensing: a direct comparison of intensity, ratiometric and hue based quantification. <i>Analyst</i> , The, 2014, 139, 3524-3527.	3.5	34
16	A potential tool for high-resolution monitoring of ocean acidification. <i>Analytica Chimica Acta</i> , 2013, 786, 1-7.	5.4	13
17	Fluorescence Ratiometric Properties Induced by Nanoparticle Plasmonics and Nanoscale Dye Dynamics. <i>Scientific World Journal</i> , The, 2013, 2013, 1-6.	2.1	5
18	Diffusion consistent calibrations for improved chemical imaging using nanoparticle enhanced optical sensors. <i>Analyst</i> , The, 2012, 137, 315-321.	3.5	22

#	ARTICLE	IF	CITATIONS
19	Plasmonic nanoparticle interactions for high-performance imaging fluorosensors. <i>Chemical Communications</i> , 2011, 47, 3433.	4.1	25
20	Plasmophore sensitized imaging of ammonia release from biological tissues using optodes. <i>Analytica Chimica Acta</i> , 2011, 704, 139-145.	5.4	21
21	A high-performance fluorosensor for pH measurements between 6 and 9. <i>Talanta</i> , 2010, 80, 1964-1969.	5.5	22
22	Analytical performance during ratiometric long-term imaging of pH in bioturbated sediments. <i>Talanta</i> , 2010, 81, 1393-1401.	5.5	19
23	An imaging pH optode for cell studies based on covalent attachment of 8-hydroxypyrene-1,3,6-trisulfonate to amino cellulose acetate films. <i>Analytica Chimica Acta</i> , 2009, 636, 89-94.	5.4	24
24	Plasmon Enhancement and Surface Wave Quenching for Phase Ratiometry in Coextraction-Based Fluorosensors. <i>Analytical Chemistry</i> , 2009, 81, 4555-4559.	6.5	68
25	A high-precision ratiometric fluorosensor for pH: Implementing time-dependent non-linear calibration protocols for drift compensation. <i>Analytica Chimica Acta</i> , 2008, 606, 63-71.	5.4	45