

Aron Hakonen

List of Publications by Year in descending order

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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	Explosive and chemical threat detection by surface-enhanced Raman scattering: A review. <i>Analytica Chimica Acta</i> , 2015, 893, 1-13.	5.4	252
2	Microplastics generated from a biodegradable plastic in freshwater and seawater. <i>Water Research</i> , 2021, 198, 117123.	11.3	140
3	Dimer-on-mirror SERS substrates with attogram sensitivity fabricated by colloidal lithography. <i>Nanoscale</i> , 2015, 7, 9405-9410.	5.6	98
4	Detection of nerve gases using surface-enhanced Raman scattering substrates with high droplet adhesion. <i>Nanoscale</i> , 2016, 8, 1305-1308.	5.6	91
5	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
6	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
7	Plasmon Enhancement and Surface Wave Quenching for Phase Ratiometry in Coextraction-Based Fluorosensors. <i>Analytical Chemistry</i> , 2009, 81, 4555-4559.	6.5	68
8	Millions of microplastics released from a biodegradable polymer during biodegradation/enzymatic hydrolysis. <i>Water Research</i> , 2022, 211, 118068.	11.3	60
9	Detecting forensic substances using commercially available SERS substrates and handheld Raman spectrometers. <i>Talanta</i> , 2018, 189, 649-652.	5.5	53
10	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
11	Digital colour tone for fluorescence sensing: a direct comparison of intensity, ratiometric and hue based quantification. <i>Analyst, The</i> , 2014, 139, 3524-3527.	3.5	34
12	Plasmonic nanoparticle interactions for high-performance imaging fluorosensors. <i>Chemical Communications</i> , 2011, 47, 3433.	4.1	25
13	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
14	A high-performance fluorosensor for pH measurements between 6 and 9. <i>Talanta</i> , 2010, 80, 1964-1969.	5.5	22
15	Diffusion consistent calibrations for improved chemical imaging using nanoparticle enhanced optical sensors. <i>Analyst, The</i> , 2012, 137, 315-321.	3.5	22
16	Hue Parameter Fluorescence Identification of Edible Oils with a Smartphone. <i>ACS Sensors</i> , 2018, 3, 2061-2065.	7.8	22
17	Plasmophore sensitized imaging of ammonia release from biological tissues using optodes. <i>Analytica Chimica Acta</i> , 2011, 704, 139-145.	5.4	21
18	Analytical performance during ratiometric long-term imaging of pH in bioturbated sediments. <i>Talanta</i> , 2010, 81, 1393-1401.	5.5	19

#	ARTICLE	IF	CITATIONS
19	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
20	A potential tool for high-resolution monitoring of ocean acidification. <i>Analytica Chimica Acta</i> , 2013, 786, 1-7.	5.4	13
21	Fluorescence and Naked-Eye Detection of Pb ²⁺ in Drinking Water Using a Low-Cost Ionophore Based Sensing Scheme. <i>Chemosensors</i> , 2018, 6, 51.	3.6	13
22	Visualizing undyed microplastic particles and fibers with plasmon-enhanced fluorescence. <i>Chemical Engineering Journal</i> , 2022, 442, 136117.	12.7	9
23	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
24	Fluorescence Ratiometric Properties Induced by Nanoparticle Plasmonics and Nanoscale Dye Dynamics. <i>Scientific World Journal</i> , The, 2013, 2013, 1-6.	2.1	5
25	Particles in fuel-grade Liquefied Natural Gas. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 55, 350-353.	4.4	2