Riikka Peltomaa

List of Publications by Year
in descending order

21	966	623734	839539
papers	citations	14 h-index	18 g-index

21	21	21	1560
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quenching of the upconversion luminescence of NaYF₄:Yb³⁺,Er³⁺and NaYF₄:Yb³⁺,Tm³⁺nanophosphors by water: the role of the sensitizer Yb³⁺in non-radiative relaxation. Nanoscale, 2015, 7, 11746-11757.	5.6	267
2	Optical Biosensors for Label-Free Detection of Small Molecules. Sensors, 2018, 18, 4126.	3.8	139
3	Ratiometric Sensing and Imaging of Intracellular pH Using Polyethylenimine-Coated Photon Upconversion Nanoprobes. Analytical Chemistry, 2017, 89, 1501-1508.	6.5	95
4	Application of bacteriophages in sensor development. Analytical and Bioanalytical Chemistry, 2016, 408, 1805-1828.	3.7	59
5	Homogeneous Quenching Immunoassay for Fumonisin B₁ Based on Gold Nanoparticles and an Epitope-Mimicking Yellow Fluorescent Protein. ACS Nano, 2018, 12, 11333-11342.	14.6	59
6	Phage Display in the Quest for New Selective Recognition Elements for Biosensors. ACS Omega, 2019, 4, 11569-11580.	3.5	59
7	Bioinspired recognition elements for mycotoxin sensors. Analytical and Bioanalytical Chemistry, 2018, 410, 747-771.	3.7	52
8	Microarray-Based Immunoassay with Synthetic Mimotopes for the Detection of Fumonisin B₁. Analytical Chemistry, 2017, 89, 6216-6223.	6.5	48
9	Biosensing based on upconversion nanoparticles for food quality and safety applications. Analyst, The, 2021, 146, 13-32.	3.5	40
10	Competitive upconversion-linked immunoassay using peptide mimetics for the detection of the mycotoxin zearalenone. Biosensors and Bioelectronics, 2020, 170, 112683.	10.1	36
11	Recombinant antibodies and their use for food immunoanalysis. Analytical and Bioanalytical Chemistry, 2022, 414, 193-217.	3.7	27
12	Effect of Particle Size and Surface Chemistry of Photonâ€Upconversion Nanoparticles on Analog and Digital Immunoassays for Cardiac Troponin. Advanced Healthcare Materials, 2021, 10, e2100506.	7.6	20
13	Development and comparison of mimotope-based immunoassays for the analysis of fumonisin B1. Analytical and Bioanalytical Chemistry, 2019, 411, 6801-6811.	3.7	19
14	Bioluminescent detection of zearalenone using recombinant peptidomimetic Gaussia luciferase fusion protein. Mikrochimica Acta, 2020, 187, 547.	5.0	15
15	Lanthanide Label Array Method for Identification and Adulteration of Honey and Cacao. Analytical Chemistry, 2015, 87, 6451-6454.	6.5	12
16	Species-specific optical genosensors for the detection of mycotoxigenic Fusarium fungi in food samples. Analytica Chimica Acta, 2016, 935, 231-238.	5.4	10
17	Recombinant Peptide Mimetic NanoLuc Tracer for Sensitive Immunodetection of Mycophenolic Acid. Analytical Chemistry, 2021, 93, 10358-10364.	6.5	6
18	Precise construction of oligonucleotideâ€“Fab fragment conjugate for homogeneous immunoassay using HaloTag technology. Analytical Biochemistry, 2015, 472, 37-44.	2.4	3

#	Article	IF	Citations
19	Comparative Study of the Performance of Two Different Luciferases for the Analysis of Fumonisin B₁ in Wheat Samples. Analysis & Sensing, 2022, 2, .	2.0	0
20	Comparative Study of the Performance of Two Different Luciferases for the Analysis of Fumonisin B ₁ in Wheat Samples. Analysis & Sensing, 0, , .	2.0	0
21	Comparative Study of the Performance of Two Different Luciferases for the Analysis of Fumonisin B ₁ in Wheat Samples. Analysis & Sensing, 0, , .	2.0	0