

Riikka Peltomaa

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

966
citations

623734

14
h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

1560
citing authors

#	ARTICLE	IF	CITATIONS
1	Recombinant antibodies and their use for food immunoanalysis. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 193-217.	3.7	27
2	Comparative Study of the Performance of Two Different Luciferases for the Analysis of Fumonisin B ₁ in Wheat Samples. <i>Analysis & Sensing</i> , 2022, 2, .	2.0	0
3	Biosensing based on upconversion nanoparticles for food quality and safety applications. <i>Analyst</i> , 2021, 146, 13-32.	3.5	40
4	Effect of Particle Size and Surface Chemistry of Photonâ€œUpconversion Nanoparticles on Analog and Digital Immunoassays for Cardiac Troponin. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100506.	7.6	20
5	Recombinant Peptide Mimetic NanoLuc Tracer for Sensitive Immunodetection of Mycophenolic Acid. <i>Analytical Chemistry</i> , 2021, 93, 10358-10364.	6.5	6
6	Competitive upconversion-linked immunoassay using peptide mimetics for the detection of the mycotoxin zearalenone. <i>Biosensors and Bioelectronics</i> , 2020, 170, 112683.	10.1	36
7	Bioluminescent detection of zearalenone using recombinant peptidomimetic Gaussia luciferase fusion protein. <i>Mikrochimica Acta</i> , 2020, 187, 547.	5.0	15
8	Development and comparison of mimotope-based immunoassays for the analysis of fumonisin B1. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6801-6811.	3.7	19
9	Phage Display in the Quest for New Selective Recognition Elements for Biosensors. <i>ACS Omega</i> , 2019, 4, 11569-11580.	3.5	59
10	Bioinspired recognition elements for mycotoxin sensors. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 747-771.	3.7	52
11	Optical Biosensors for Label-Free Detection of Small Molecules. <i>Sensors</i> , 2018, 18, 4126.	3.8	139
12	Homogeneous Quenching Immunoassay for Fumonisin B ₁ Based on Gold Nanoparticles and an Epitope-Mimicking Yellow Fluorescent Protein. <i>ACS Nano</i> , 2018, 12, 11333-11342.	14.6	59
13	Microarray-Based Immunoassay with Synthetic Mimotopes for the Detection of Fumonisin B ₁ . <i>Analytical Chemistry</i> , 2017, 89, 6216-6223.	6.5	48
14	Ratiometric Sensing and Imaging of Intracellular pH Using Polyethylenimine-Coated Photon Upconversion Nanoprobes. <i>Analytical Chemistry</i> , 2017, 89, 1501-1508.	6.5	95
15	Species-specific optical genosensors for the detection of mycotoxigenic <i>Fusarium</i> fungi in food samples. <i>Analytica Chimica Acta</i> , 2016, 935, 231-238.	5.4	10
16	Application of bacteriophages in sensor development. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1805-1828.	3.7	59
17	Precise construction of oligonucleotideâ€œFab fragment conjugate for homogeneous immunoassay using HaloTag technology. <i>Analytical Biochemistry</i> , 2015, 472, 37-44.	2.4	3
18	Quenching of the upconversion luminescence of NaYF ₄ :Yb ³⁺ ,Er ³⁺ and NaYF ₄ :Yb ³⁺ ,Tm ³⁺ nanophosphors by water: the role of the sensitizer Yb ³⁺ in non-radiative relaxation. <i>Nanoscale</i> , 2015, 7, 11746-11757.	5.6	267

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19	Lanthanide Label Array Method for Identification and Adulteration of Honey and Cacao. Analytical Chemistry, 2015, 87, 6451-6454.	6.5	12
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