

Helena de Puig

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

2,167
citations

430754

18
h-index

580701

25
g-index

27
all docs

27
docs citations

27
times ranked

3258
citing authors

#	ARTICLE	IF	CITATIONS
1	RNA-responsive elements for eukaryotic translational control. <i>Nature Biotechnology</i> , 2022, 40, 539-545.	9.4	34
2	Anomalous COVID-19 tests hinder researchers. <i>Science</i> , 2021, 371, 244-245.	6.0	11
3	Wearable materials with embedded synthetic biology sensors for biomolecule detection. <i>Nature Biotechnology</i> , 2021, 39, 1366-1374.	9.4	286
4	Minimally instrumented SHERLOCK (miSHERLOCK) for CRISPR-based point-of-care diagnosis of SARS-CoV-2 and emerging variants. <i>Science Advances</i> , 2021, 7, .	4.7	189
5	Laboratory-Generated DNA Can Cause Anomalous Pathogen Diagnostic Test Results. <i>Microbiology Spectrum</i> , 2021, 9, e0031321.	1.2	10
6	Ultrasensitive CRISPR-based diagnostic for field-applicable detection of <i>Plasmodium</i> species in symptomatic and asymptomatic malaria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25722-25731.	3.3	146
7	Development and Validation of a Rapid Lateral Flow E1/E2-Antigen Test and ELISA in Patients Infected with Emerging Asian Strain of Chikungunya Virus in the Americas. <i>Viruses</i> , 2020, 12, 971.	1.5	8
8	Creating CRISPR-responsive smart materials for diagnostics and programmable cargo release. <i>Nature Protocols</i> , 2020, 15, 3030-3063.	5.5	42
9	Point-of-Care Devices to Detect Zika and Other Emerging Viruses. <i>Annual Review of Biomedical Engineering</i> , 2020, 22, 371-386.	5.7	20
10	Serotype-specific detection of dengue viruses in a nonstructural protein 1-based enzyme-linked immunosorbent assay validated with a multi-national cohort. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008203.	1.3	15
11	Programmable CRISPR-responsive smart materials. <i>Science</i> , 2019, 365, 780-785.	6.0	248
12	Protease Degradation of Protein Coronas and Its Impact on Cancer Cells and Drug Payload Release. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 14588-14596.	4.0	15
13	Physical Properties of Biomolecules at the Nanomaterial Interface. <i>Journal of Physical Chemistry B</i> , 2018, 122, 2827-2840.	1.2	53
14	A comparison of nanoparticle-antibody conjugation strategies in sandwich immunoassays. <i>Journal of Immunoassay and Immunochemistry</i> , 2017, 38, 355-377.	0.5	41
15	Challenges of the Nano-Bio Interface in Lateral Flow and Dipstick Immunoassays. <i>Trends in Biotechnology</i> , 2017, 35, 1169-1180.	4.9	89
16	Design of SERS nanotags for multiplexed lateral flow immunoassays. <i>Molecular Systems Design and Engineering</i> , 2017, 2, 401-409.	1.7	32
17	Rapid antigen tests for dengue virus serotypes and Zika virus in patient serum. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	148
18	Surface-Enhanced Raman Spectroscopy-Based Sandwich Immunoassays for Multiplexed Detection of Zika and Dengue Viral Biomarkers. <i>ACS Infectious Diseases</i> , 2017, 3, 767-776.	1.8	134

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19	Effect of the Protein Corona on Antibody–Antigen Binding in Nanoparticle Sandwich Immunoassays. <i>Bioconjugate Chemistry</i> , 2017, 28, 230-238.	1.8	58
20	Multicolored silver nanoparticles for multiplexed disease diagnostics: distinguishing dengue, yellow fever, and Ebola viruses. <i>Lab on A Chip</i> , 2015, 15, 1638-1641.	3.1	269
21	Extinction Coefficient of Gold Nanostars. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17408-17415.	1.5	118
22	DNA disPLAY: Programmable Bioactive Materials Using CNC Patterning. <i>Architectural Design</i> , 2014, 84, 104-111.	0.1	2
23	Optimizing the Properties of the Protein Corona Surrounding Nanoparticles for Tuning Payload Release. <i>ACS Nano</i> , 2013, 7, 10066-10074.	7.3	121
24	Selective Light-Triggered Release of DNA from Gold Nanorods Switches Blood Clotting On and Off. <i>PLoS ONE</i> , 2013, 8, e68511.	1.1	29
25	Quantifying the Nanomachinery of the Nanoparticle–Biomolecule Interface. <i>Small</i> , 2011, 7, 2477-2484.	5.2	38
26	Multicolor rapid diagnostics for infectious disease. <i>SPIE Newsroom</i> , 0, , .	0.1	0