

Sally A Peyman

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,254
citations

361296

20
h-index

377752

34
g-index

43
all docs

43
docs citations

43
times ranked

1624
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on impedimetric immunosensors for pathogen and biomarker detection. <i>Medical Microbiology and Immunology</i> , 2020, 209, 343-362.	2.6	119
2	Diamagnetic repulsionâ€”A versatile tool for label-free particle handling in microfluidic devices. <i>Journal of Chromatography A</i> , 2009, 1216, 9055-9062.	1.8	113
3	Mobile magnetic particles as solid-supports for rapid surface-based bioanalysis in continuous flow. <i>Lab on A Chip</i> , 2009, 9, 3110.	3.1	91
4	Expanding 3D geometry for enhanced on-chip microbubble production and single step formation of liposome modified microbubbles. <i>Lab on A Chip</i> , 2012, 12, 4544.	3.1	80
5	Cells Under Stress: An Inertial-Shear Microfluidic Determination of Cell Behavior. <i>Biophysical Journal</i> , 2019, 116, 1127-1135.	0.2	68
6	Lipid coated liquid crystal droplets for the on-chip detection of antimicrobial peptides. <i>Lab on A Chip</i> , 2019, 19, 1082-1089.	3.1	65
7	On-chip preparation of nanoscale contrast agents towards high-resolution ultrasound imaging. <i>Lab on A Chip</i> , 2016, 16, 679-687.	3.1	61
8	Rapid on-chip multi-step (bio)chemical procedures in continuous flow â€” manoeuvring particles through co-laminar reagent streams. <i>Chemical Communications</i> , 2008, , 1220.	2.2	50
9	The importance of particle type selection and temperature control for on-chip free-flow magnetophoresis. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 4115-4122.	1.0	47
10	Ultrasound-triggered therapeutic microbubbles enhance the efficacy of cytotoxic drugs by increasing circulation and tumor drug accumulation and limiting bioavailability and toxicity in normal tissues. <i>Theranostics</i> , 2020, 10, 10973-10992.	4.6	45
11	On-Chip Determination of C-Reactive Protein Using Magnetic Particles in Continuous Flow. <i>Analytical Chemistry</i> , 2014, 86, 10552-10559.	3.2	39
12	High-throughput microfluidics for evaluating microbubble enhanced delivery of cancer therapeutics in spheroid cultures. <i>Journal of Controlled Release</i> , 2020, 326, 13-24.	4.8	38
13	Nanomechanics of Lipid Encapsulated Microbubbles with Functional Coatings. <i>Langmuir</i> , 2013, 29, 4096-4103.	1.6	36
14	The influence of intercalating perfluorohexane into lipid shells on nano and microbubble stability. <i>Soft Matter</i> , 2016, 12, 7223-7230.	1.2	36
15	Simultaneous trapping of magnetic and diamagnetic particle plugs for separations and bioassays. <i>RSC Advances</i> , 2013, 3, 7209.	1.7	33
16	Biochemical fingerprint of colorectal cancer cell lines using labelâ€”free live singleâ€”cell Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1323-1332.	1.2	32
17	Characterisation of Liposome-Loaded Microbubble Populations for Subharmonic Imaging. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 346-356.	0.7	29
18	Nanobubbles for therapeutic delivery: Production, stability and current prospects. <i>Current Opinion in Colloid and Interface Science</i> , 2021, 54, 101456.	3.4	29

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19	Nested Nanobubbles for Ultrasound-Triggered Drug Release. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29085-29093.	4.0	27
20	Control of Director Fields in Phospholipid-Coated Liquid Crystal Droplets. <i>Langmuir</i> , 2020, 36, 6436-6446.	1.6	20
21	Current and Emerging 3D Models to Study Breast Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1152, 413-427.	0.8	20
22	Physical Biomarkers of Disease Progression: On-Chip Monitoring of Changes in Mechanobiology of Colorectal Cancer Cells. <i>Scientific Reports</i> , 2020, 10, 3254.	1.6	15
23	Production of giant unilamellar vesicles and encapsulation of lyotropic nematic liquid crystals. <i>Soft Matter</i> , 2021, 17, 2234-2241.	1.2	15
24	Horizon: Microfluidic platform for the production of therapeutic microbubbles and nanobubbles. <i>Review of Scientific Instruments</i> , 2021, 92, 074105.	0.6	15
25	Chiral nematic liquid crystal droplets as a basis for sensor systems. <i>Molecular Systems Design and Engineering</i> , 2022, 7, 607-621.	1.7	15
26	Evaluation of lipid-stabilised tripropionin nanodroplets as a delivery route for combretastatin A4. <i>International Journal of Pharmaceutics</i> , 2017, 526, 547-555.	2.6	13
27	Tandem fluorescence and Raman (fluoRaman) characterisation of a novel photosensitiser in colorectal cancer cell line SW480. <i>Analyst, The</i> , 2018, 143, 6113-6120.	1.7	13
28	Combined flow-focus and self-assembly routes for the formation of lipid stabilized oil-shelled microbubbles. <i>Microsystems and Nanoengineering</i> , 2018, 4, .	3.4	11
29	Detection and time-tracking activation of a photosensitiser on live single colorectal cancer cells using Raman spectroscopy. <i>Analyst, The</i> , 2020, 145, 5878-5888.	1.7	10
30	Targeted microbubbles carrying lipid-oil-nanodroplets for ultrasound-triggered delivery of the hydrophobic drug, combretastatin A4. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 36, 102401.	1.7	10
31	Research Spotlight: Microbubbles for therapeutic delivery. <i>Therapeutic Delivery</i> , 2013, 4, 539-542.	1.2	9
32	Self-assembly of actin scaffolds on lipid microbubbles. <i>Soft Matter</i> , 2014, 10, 694-700.	1.2	9
33	Modeling the mechanical stiffness of pancreatic ductal adenocarcinoma. <i>Matrix Biology Plus</i> , 2022, 14, 100109.	1.9	7
34	Diamagnetic repulsion of particles for multilaminar flow assays. <i>RSC Advances</i> , 2015, 5, 103776-103781.	1.7	6
35	Freeze-Dried Therapeutic Microbubbles: Stability and Gas Exchange. <i>ACS Applied Bio Materials</i> , 2020, 3, 7840-7848.	2.3	6
36	The Trimeric Autotransporter Adhesin YadA of <i>Yersinia enterocolitica</i> Serotype O:9 Binds Glycan Moieties. <i>Frontiers in Microbiology</i> , 2021, 12, 738818.	1.5	6

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37	Host-Pathogen Adhesion as the Basis of Innovative Diagnostics for Emerging Pathogens. <i>Diagnostics</i> , 2021, 11, 1259.	1.3	5
38	Textures of Nematic Liquid Crystal Cylindric-Section Droplets Confined by Chemically Patterned Surfaces. <i>Crystals</i> , 2021, 11, 65.	1.0	5
39	Single molecule protein biophysics using chemically modified nanopores. , 2010, , .		3
40	A novel, proof-of-concept electrochemical impedimetric biosensor based on extracellular matrix proteinâ€™adhesin interaction. <i>Sensors & Diagnostics</i> , 2022, 1, 1003-1013.	1.9	3
41	A Quantum Heat Exchanger for Nanotechnology. <i>Entropy</i> , 2020, 22, 379.	1.1	0
42	Targeting Tumour Vasculature using Integrin $\alpha_3\beta_1$ - Observation of Liposome Accumulation in Microfluidic Vasculature Networks. , 0, , .		0
43	10.1063/5.0040213.1. , 2021, , .		0