

Edwin van der Pol

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

7,793
citations

186209

28
h-index

182361

51
g-index

57
all docs

57
docs citations

57
times ranked

11677
citing authors

#	ARTICLE	IF	CITATIONS
1	EDTA stabilizes the concentration of platelet-derived extracellular vesicles during blood collection and handling. <i>Platelets</i> , 2022, 33, 764-771.	1.1	12
2	Minimum information to report about a flow cytometry experiment on extracellular vesicles: Communication from the ISTH SSC subcommittee on vascular biology. <i>Journal of Thrombosis and Haemostasis</i> , 2022, 20, 245-251.	1.9	15
3	Diagnostic Performance of Circulating miRNAs and Extracellular Vesicles in Acute Ischemic Stroke. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4530.	1.8	8
4	Protocol for Measuring Concentrations of Extracellular Vesicles in Human Blood Plasma with Flow Cytometry. <i>Methods in Molecular Biology</i> , 2022, 2504, 55-75.	0.4	0
5	An imaging flow cytometry-based methodology for the analysis of single extracellular vesicles in unprocessed human plasma. <i>Communications Biology</i> , 2022, 5, .	2.0	13
6	Quantification of Light Scattering Detection Efficiency and Background in Flow Cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021, 99, 671-679.	1.1	6
7	MIFlowCytâ€œEV: The Next Chapter in the Reporting and Reliability of Single Extracellular Vesicle Flow Cytometry Experiments. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021, 99, 365-368.	1.1	18
8	Reliable measurements of extracellular vesicles by clinical flow cytometry. <i>American Journal of Reproductive Immunology</i> , 2021, 85, e13350.	1.2	30
9	Plasma Concentrations of Extracellular Vesicles Are Decreased in Patients with Post-Infarct Cardiac Remodelling. <i>Biology</i> , 2021, 10, 97.	1.3	8
10	Prostacyclin Analogues Inhibit Platelet Reactivity, Extracellular Vesicle Release and Thrombus Formation in Patients with Pulmonary Arterial Hypertension. <i>Journal of Clinical Medicine</i> , 2021, 10, 1024.	1.0	19
11	Standardized procedure to measure the size distribution of extracellular vesicles together with other particles in biofluids with microfluidic resistive pulse sensing. <i>PLoS ONE</i> , 2021, 16, e0249603.	1.1	14
12	Misinterpretation of solid sphere equivalent refractive index measurements and smallest detectable diameters of extracellular vesicles by flow cytometry. <i>Scientific Reports</i> , 2021, 11, 24151.	1.6	9
13	Randomized controlled trial protocol to investigate the antiplatelet therapy effect on extracellular vesicles (AFFECT EV) in acute myocardial infarction. <i>Platelets</i> , 2020, 31, 26-32.	1.1	18
14	Synchronized Rayleigh and Raman scattering for the characterization of single optically trapped extracellular vesicles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 24, 102109.	1.7	21
15	Ticagrelor attenuates the increase of extracellular vesicle concentrations in plasma after acute myocardial infarction compared to clopidogrel. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 609-623.	1.9	46
16	Towards defining reference materials for measuring extracellular vesicle refractive index, epitope abundance, size and concentration. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1816641.	5.5	70
17	Labelâ€œfree identification and chemical characterisation of single extracellular vesicles and lipoproteins by synchronous Rayleigh and Raman scattering. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1730134.	5.5	37
18	A Systematic Approach to Improve Scatter Sensitivity of a Flow Cytometer for Detection of Extracellular Vesicles. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 582-591.	1.1	18

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19	MIFlowCytâ€EV: a framework for standardized reporting of extracellular vesicle flow cytometry experiments. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1713526.	5.5	243
20	P2Y12 antagonist ticagrelor inhibits the release of procoagulant extracellular vesicles from activated platelets. <i>Cardiology Journal</i> , 2020, 26, 782-789.	0.5	25
21	The generation and use of recombinant extracellular vesicles as biological reference material. <i>Nature Communications</i> , 2019, 10, 3288.	5.8	96
22	Refractive index to evaluate staining specificity of extracellular vesicles by flow cytometry. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1643671.	5.5	48
23	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). <i>European Journal of Immunology</i> , 2019, 49, 1457-1973.	1.6	766
24	Proteomics characterization of extracellular vesicles sorted by flow cytometry reveals a disease-specific molecular cross-talk from cerebrospinal fluid and tears in multiple sclerosis. <i>Journal of Proteomics</i> , 2019, 204, 103403.	1.2	97
25	Improved forward scatter detection of a flow cytometer for detection of extracellular vesicles. , 2019, , .		0
26	Standardization of extracellular vesicle measurements by flow cytometry through vesicle diameter approximation. <i>Journal of Thrombosis and Haemostasis</i> , 2018, 16, 1236-1245.	1.9	130
27	Comparison of Generic Fluorescent Markers for Detection of Extracellular Vesicles by Flow Cytometry. <i>Clinical Chemistry</i> , 2018, 64, 680-689.	1.5	76
28	Absolute sizing and label-free identification of extracellular vesicles by flow cytometry. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 801-810.	1.7	105
29	Centrifugation affects the purity of liquid biopsyâ€based tumor biomarkers. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 1207-1212.	1.1	37
30	Deriving Extracellular Vesicle Size From Scatter Intensities Measured by Flow Cytometry. <i>Current Protocols in Cytometry</i> , 2018, 86, e43.	3.7	47
31	Hollow organosilica beads as reference particles for optical detection of extracellular vesicles. <i>Journal of Thrombosis and Haemostasis</i> , 2018, 16, 1646-1655.	1.9	44
32	Extracellular vesicles in post-infarct ventricular remodelling. <i>Kardiologia Polska</i> , 2018, 76, 69-76.	0.3	12
33	Methodological Guidelines to Study Extracellular Vesicles. <i>Circulation Research</i> , 2017, 120, 1632-1648.	2.0	728
34	From platelet dust to gold dust: physiological importance and detection of platelet microvesicles. <i>Platelets</i> , 2017, 28, 211-213.	1.1	24
35	Biological reference materials for extracellular vesicle studies. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 98, 4-16.	1.9	57
36	Wound scabs protect regenerating tissue against harmful ultraviolet radiation. <i>Medical Hypotheses</i> , 2016, 96, 39-41.	0.8	1

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37	Recent developments in the nomenclature, presence, isolation, detection and clinical impact of extracellular vesicles. <i>Journal of Thrombosis and Haemostasis</i> , 2016, 14, 48-56.	1.9	254
38	Inter-laboratory comparison on the size and stability of monodisperse and bimodal synthetic reference particles for standardization of extracellular vesicle measurements. <i>Measurement Science and Technology</i> , 2016, 27, 035701.	1.4	18
39	Quantitative Assessment of Optical Properties in Healthy Cartilage and Repair Tissue by Optical Coherence Tomography and Histology. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 203-209.	1.9	1
40	Handling and storage of human body fluids for analysis of extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2015, 4, 29260.	5.5	160
41	Reproducible extracellular vesicle size and concentration determination with tunable resistive pulse sensing. <i>Journal of Extracellular Vesicles</i> , 2014, 3, 25922.	5.5	126
42	Particle size distribution of exosomes and microvesicles determined by transmission electron microscopy, flow cytometry, nanoparticle tracking analysis, and resistive pulse sensing. <i>Journal of Thrombosis and Haemostasis</i> , 2014, 12, 1182-1192.	1.9	698
43	Refractive Index Determination of Nanoparticles in Suspension Using Nanoparticle Tracking Analysis. <i>Nano Letters</i> , 2014, 14, 6195-6201.	4.5	161
44	Towards traceable size determination of extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2014, 3, .	5.5	104
45	Single-step isolation of extracellular vesicles by size-exclusion chromatography. <i>Journal of Extracellular Vesicles</i> , 2014, 3, .	5.5	820
46	Innovation in detection of microparticles and exosomes. <i>Journal of Thrombosis and Haemostasis</i> , 2013, 11, 36-45.	1.9	203
47	Dependent and multiple scattering in transmission and backscattering optical coherence tomography. <i>Optics Express</i> , 2013, 21, 29145.	1.7	51
48	Platelet-Derived Microparticles. , 2013, , 453-467.		10
49	Flat-top illumination profile in an epifluorescence microscope by dual microlens arrays. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2012, 81A, 324-331.	1.1	11
50	Classification, Functions, and Clinical Relevance of Extracellular Vesicles. <i>Pharmacological Reviews</i> , 2012, 64, 676-705.	7.1	1,429
51	Single vs. swarm detection of microparticles and exosomes by flow cytometry. <i>Journal of Thrombosis and Haemostasis</i> , 2012, 10, 919-930.	1.9	334
52	Transglutaminase 2 is secreted from smooth muscle cells by transamidation-dependent microparticle formation. <i>Amino Acids</i> , 2012, 42, 961-973.	1.2	26
53	Optical and non-optical methods for detection and characterization of microparticles and exosomes. <i>Journal of Thrombosis and Haemostasis</i> , 2010, 8, 2596-2607.	1.9	454
54	Optical characterization and selective addressing of the resonant modes of a micropillar cavity with a white light beam. <i>Physical Review B</i> , 2010, 82, .	1.1	21

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55	Spatially resolved modes in GaAs/AlAs micropillar resonators. , 2009, , .		0