

Patrick Hunziker

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,898
citations

516561

16
h-index

243529

44
g-index

56
all docs

56
docs citations

56
times ranked

5903
citing authors

#	ARTICLE	IF	CITATIONS
1	Lean Ad hoc Extracorporeal Membrane Oxygenation Systems for COVID-19. <i>ASAIO Journal</i> , 2021, 67, 12-17.	0.9	1
2	Patients with severe schistosomiasis mansoni in Ituri Province, Democratic Republic of the Congo. <i>Infectious Diseases of Poverty</i> , 2021, 10, 39.	1.5	0
3	Left ventricular unloading and the role of ECPella. <i>European Heart Journal Supplements</i> , 2021, 23, A27-A34.	0.0	21
4	Managing vascular access and closure for percutaneous mechanical circulatory support. <i>European Heart Journal Supplements</i> , 2021, 23, A10-A14.	0.0	5
5	Escalation and de-escalation of mechanical circulatory support in cardiogenic shock. <i>European Heart Journal Supplements</i> , 2021, 23, A35-A40.	0.0	14
6	Cardioprotective shock management: monitoring and supportive therapies. <i>European Heart Journal Supplements</i> , 2021, 23, A3-A9.	0.0	3
7	Personalized-dose Covid-19 vaccination in a wave of virus Variants of Concern: Trading individual efficacy for societal benefit. <i>Precision Nanomedicine</i> , 2021, 4, .	0.4	3
8	Minimising exposure to respiratory droplets, "jet riders"™ and aerosols in air-conditioned hospital rooms by a "Shield-and-Sink"™ strategy. <i>BMJ Open</i> , 2021, 11, e047772.	0.8	4
9	Morbidity associated with <i>Schistosoma mansoni</i> infection in north-eastern Democratic Republic of the Congo. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009375.	1.3	3
10	Epidemiology of <i>Schistosoma mansoni</i> infection in Ituri Province, north-eastern Democratic Republic of the Congo. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009486.	1.3	3
11	Systematic and Quantitative Structure-Property Relationships of Polymeric Medical Nanomaterials: From Systematic Synthesis and Characterization to Computer Modeling and Nano-Bio Interaction and Toxicity. <i>ACS Applied Bio Materials</i> , 2020, 3, 6919-6931.	2.3	2
12	Two cases of successful treatment of acute right heart failure with Impella RP®. <i>ESC Heart Failure</i> , 2020, 7, 1982-1986.	1.4	2
13	Atherosclerosis: Insights into Vascular Pathobiology and Outlook to Novel Treatments. <i>Journal of Cardiovascular Translational Research</i> , 2020, 13, 744-757.	1.1	41
14	Schistosomiasis: from established diagnostic assays to emerging micro/nanotechnology-based rapid field testing for clinical management and epidemiology. <i>Precision Nanomedicine</i> , 2020, 3, 439-458.	0.4	7
15	Small-Scale Robots in Fluidic Media. <i>Advanced Intelligent Systems</i> , 2019, 1, 1900035.	3.3	7
16	FRET in a Polymeric Nanocarrier: IR-780 and IR-780-PDMS. <i>Biomacromolecules</i> , 2019, 20, 4065-4074.	2.6	9
17	Clinical scenarios for use of transvalvular microaxial pumps in acute heart failure and cardiogenic shock " A European experienced users working group opinion. <i>International Journal of Cardiology</i> , 2019, 291, 96-104.	0.8	30
18	Predicting team-performance and leadership in emergency situations by observing standardised operational procedures: a prospective single-blind simulator-based trial. <i>BMJ Simulation and Technology Enhanced Learning</i> , 2019, 5, 102-107.	0.7	0

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19	Subtractive Manufacturing of Microfluidic 3D Braid Mixers. <i>Advanced Engineering Materials</i> , 2018, 20, 1800243.	1.6	5
20	PDMS with designer functionalities—Properties, modifications strategies, and applications. <i>Progress in Polymer Science</i> , 2018, 83, 97-134.	11.8	478
21	Venovenous extracorporeal membrane oxygenation to treat hypercapnia in a morbidly obese patient. <i>Swiss Medical Weekly</i> , 2018, 148, w14639.	0.8	1
22	Polymeric nanosystems for near-infrared multispectral photoacoustic imaging: Synthesis, characterization and in vivo evaluation. <i>European Polymer Journal</i> , 2017, 88, 713-723.	2.6	14
23	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , 2017, 11, 2313-2381.	7.3	976
24	Efficient Receptor Mediated siRNA Delivery in Vitro by Folic Acid Targeted Pentablock Copolymer-Based Micelleplexes. <i>Biomacromolecules</i> , 2017, 18, 2654-2662.	2.6	18
25	Microfluidic 3D Helix Mixers. <i>Micromachines</i> , 2016, 7, 189.	1.4	13
26	Nanomedicine translation from enabling technologies to the patient: focus on infectious diseases. <i>European Journal of Nanomedicine</i> , 2016, 8, .	0.6	0
27	Carbohydrate-based amphiphilic nano delivery systems for cancer therapy. <i>Nanoscale</i> , 2016, 8, 16091-16156.	2.8	145
28	Transmission-blocking strategies: the roadmap from laboratory bench to the community. <i>Malaria Journal</i> , 2016, 15, 95.	0.8	37
29	Challenges of clinical translation in nanomedicine: A qualitative study. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 893-900.	1.7	79
30	Cost-effectiveness: A challenge for dengue rapid nanodiagnostic tests. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 251-252.	1.7	0
31	Construction of programmable interconnected 3D microfluidic networks. <i>Journal of Micromechanics and Microengineering</i> , 2015, 25, 025018.	1.5	9
32	Diagnosing dengue virus infection: rapid tests and the role of micro/nanotechnologies. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 1745-1761.	1.7	38
33	Microfluidics-based single-step preparation of injection-ready polymeric nanosystems for medical imaging and drug delivery. <i>Nanoscale</i> , 2015, 7, 16983-16993.	2.8	27
34	Incidence and timing of serious arrhythmias after early revascularization in non ST-elevation myocardial infarction. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2015, 4, 359-364.	0.4	5
35	Intelligent nanomaterials for medicine: Carrier platforms and targeting strategies in the context of clinical application. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 742-757.	1.7	179
36	Percutaneous biventricular cardiac assist device in cardiogenic shock. <i>European Heart Journal</i> , 2013, 34, 1620-1620.	1.0	12

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37	Plasmid linearization changes shape and efficiency of transfection complexes. European Journal of Nanomedicine, 2013, 5, .	0.6	12
38	Comprehensive targeting: the avenue to a personalized, highly effective, innocuous, and cost-effective medicine of the future. European Journal of Nanomedicine, 2013, 5, .	0.6	0
39	Why not just switch on the light?: light and its versatile applications in the field of nanomedicine. European Journal of Nanomedicine, 2012, 4, 73-80.	0.6	5
40	Designing switchable nanosystems for medical application. Journal of Controlled Release, 2012, 161, 307-316.	4.8	89
41	Towards Targeted Drug Delivery by Covalent Ligand-Modified Polymeric Nanocontainers. Macromolecular Symposia, 2010, 296, 278-285.	0.4	3
42	Nano Imaging Technologies: Polymer vesicles loaded with precipitated gadolinium nanoparticles: A novel target-specific contrast agent for magnetic resonance imaging. European Journal of Nanomedicine, 2009, 2, .	0.6	10
43	Sepsis-associated myocardial dysfunction: from bedside to bench. Journal of Organ Dysfunction, 2009, 5, 79-90.	0.3	2
44	Cell-Specific Integration of Artificial Organelles Based on Functionalized Polymer Vesicles. Nano Letters, 2008, 8, 1368-1373.	4.5	133
45	Application of ridgelet in cubic data compression. , 2007, , .		0
46	Toward Intelligent Nanosize Bioreactors: A pH-Switchable, Channel-Equipped, Functional Polymer Nanocontainer. Nano Letters, 2006, 6, 2349-2353.	4.5	231
47	Cell targeting by a generic receptor-targeted polymer nanocontainer platform. Journal of Controlled Release, 2005, 102, 475-488.	4.8	196
48	Bedside quantification of atherosclerosis severity for cardiovascular risk stratification: a prospective cohort study. Journal of the American College of Cardiology, 2002, 39, 702-709.	1.2	10
49	Long-Term Follow-Up and Dobutamine Stress Echocardiography of 19-mm Prosthetic Heart Valves. Echocardiography, 1998, 15, 617-624.	0.3	5
50	Vaccination Strategies for Minimizing Loss of Life in COVID-19 in a Europe Lacking Vaccines. SSRN Electronic Journal, 0, , .	0.4	3
51	Minimizing Loss of Life in COVID-19 in a 100 Day Period in the U.S.A. by Personalized-Dose Vaccination. SSRN Electronic Journal, 0, , .	0.4	1