

# Patrick Hunziker

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

5,399  
citations

279798

23  
h-index

361022

35  
g-index

37  
all docs

37  
docs citations

37  
times ranked

8164  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Late Clinical Events After Clopidogrel Discontinuation May Limit the Benefit of Drug-Eluting Stents. <i>Journal of the American College of Cardiology</i> , 2006, 48, 2584-2591.   | 2.8  | 1,242     |
| 2  | Diverse Applications of Nanomedicine. <i>ACS Nano</i> , 2017, 11, 2313-2381.   | 14.6 | 976       |
| 3  | PDMS with designer functionalities—Properties, modifications strategies, and applications. <i>Progress in Polymer Science</i> , 2018, 83, 97-134.  | 24.7 | 478       |
| 4  | Capillary pumps for autonomous capillary systems. <i>Lab on A Chip</i> , 2007, 7, 119-125.   | 6.0  | 308       |
| 5  | Spatio-temporal nonrigid registration for ultrasound cardiac motion estimation. <i>IEEE Transactions on Medical Imaging</i> , 2005, 24, 1113-1126.   | 8.9  | 243       |
| 6  | Toward Intelligent Nanosize Bioreactors: A pH-Switchable, Channel-Equipped, Functional Polymer Nanocontainer. <i>Nano Letters</i> , 2006, 6, 2349-2353.  | 9.1  | 231       |
| 7  | Brief leadership instructions improve cardiopulmonary resuscitation in a high-fidelity simulation: A randomized controlled trial*. <i>Critical Care Medicine</i> , 2010, 38, 1086-1091.                                      | 0.9  | 218       |
| 8  | Cell targeting by a generic receptor-targeted polymer nanocontainer platform. <i>Journal of Controlled Release</i> , 2005, 102, 475-488.   | 9.9  | 196       |
| 9  | 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.                    | 3.3  | 179       |
| 10 | Simultaneous detection of C-reactive protein and other cardiac markers in human plasma using micromosaic immunoassays and self-regulating microfluidic networks. <i>Biosensors and Bioelectronics</i> , 2004, 19, 1193-1202. | 10.1 | 172       |
| 11 | Modeling and Optimization of High-Sensitivity, Low-Volume Microfluidic-Based Surface Immunoassays. <i>Biomedical Microdevices</i> , 2005, 7, 99-110.   | 2.8  | 151       |
| 12 | Cell-Specific Integration of Artificial Organelles Based on Functionalized Polymer Vesicles. <i>Nano Letters</i> , 2008, 8, 1368-1373.   | 9.1  | 133       |
| 13 | Leading to Recovery: Group Performance and Coordinative Activities in Medical Emergency Driven Groups. <i>Human Performance</i> , 2006, 19, 277-304.   | 2.4  | 126       |
| 14 | Myocardial motion analysis from B-mode echocardiograms. <i>IEEE Transactions on Image Processing</i> , 2005, 14, 525-536.  | 9.8  | 116       |
| 15 | Long-term benefit-risk balance of drug-eluting vs. bare-metal stents in daily practice: does stent diameter matter? Three-year follow-up of BASKET. <i>European Heart Journal</i> , 2008, 30, 16-24.                         | 2.2  | 99        |
| 16 | Designing switchable nanosystems for medical application. <i>Journal of Controlled Release</i> , 2012, 161, 307-316.   | 9.9  | 89        |
| 17 | Continuous flow in open microfluidics using controlled evaporation. <i>Lab on A Chip</i> , 2005, 5, 1355.  | 6.0  | 78        |
| 18 | Inhibition of Macrophage Phagocytotic Activity by a Receptor-targeted Polymer Vesicle-based Drug Delivery Formulation of Pravastatin. <i>Journal of Cardiovascular Pharmacology</i> , 2008, 51, 246-252.                     | 1.9  | 75        |

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|----|--|-----|-----------|
| 19 | High-Performance Immunoassays Based on Through-Stencil Patterned Antibodies and Capillary Systems. <i>Analytical Chemistry</i> , 2008, 80, 1763-1769.  | 6.5 | 40        |
| 20 | Diagnosing dengue virus infection: rapid tests and the role of micro/nanotechnologies. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 1745-1761.   | 3.3 | 38        |
| 21 | Multiresolution Moment Filters: Theory and Applications. <i>IEEE Transactions on Image Processing</i> , 2004, 13, 484-495.   | 9.8 | 37        |
| 22 | Leadership in Medical Emergencies Depends on Gender and Personality. <i>Simulation in Healthcare</i> , 2011, 6, 78-83.   | 1.2 | 35        |
| 23 | Microfluidics-based single-step preparation of injection-ready polymeric nanosystems for medical imaging and drug delivery. <i>Nanoscale</i> , 2015, 7, 16983-16993.   | 5.6 | 27        |
| 24 | Efficient Receptor Mediated siRNA Delivery in Vitro by Folic Acid Targeted Pentablock Copolymer-Based Micelleplexes. <i>Biomacromolecules</i> , 2017, 18, 2654-2662.   | 5.4 | 18        |
| 25 | Screening cell surface receptors using micromosaic immunoassays. <i>Biomedical Microdevices</i> , 2007, 9, 135-141.  | 2.8 | 16        |
| 26 | Polymeric nanosystems for near-infrared multispectral photoacoustic imaging: Synthesis, characterization and in vivo evaluation. <i>European Polymer Journal</i> , 2017, 88, 713-723.  | 5.4 | 14        |
| 27 | Microfluidic 3D Helix Mixers. <i>Micromachines</i> , 2016, 7, 189.   | 2.9 | 13        |
| 28 | Plasmid linearization changes shape and efficiency of transfection complexes. <i>European Journal of Nanomedicine</i> , 2013, 5, .   | 0.6 | 12        |
| 29 | Targeting of Vulnerable Plaque Macrophages with Polymer-Based Nanostructures. <i>Trends in Cardiovascular Medicine</i> , 2007, 17, 190-196.  | 4.9 | 10        |
| 30 | Nano Imaging Technologies: Polymer vesicles loaded with precipitated gadolinium nanoparticles: A novel target-specific contrast agent for magnetic resonance imaging. <i>European Journal of Nanomedicine</i> , 2009, 2, .   | 0.6 | 10        |
| 31 | FRET in a Polymeric Nanocarrier: IR-780 and IR-780-PDMS. <i>Biomacromolecules</i> , 2019, 20, 4065-4074.   | 5.4 | 9         |
| 32 | A Tensor B-Spline Approach for Solving the Diffusion PDE With Application to Optical Diffusion Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 972-982.  | 8.9 | 4         |
| 33 | Towards Targeted Drug Delivery by Covalent Ligand-Modified Polymeric Nanocontainers. <i>Macromolecular Symposia</i> , 2010, 296, 278-285.  | 0.7 | 3         |
| 34 | 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. | 4.6 | 2         |
| 35 | Nanomedicine enabled by computational sciences. <i>European Journal of Nanomedicine</i> , 2013, 5, .   | 0.6 | 1         |