

Peter R Panizzi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65 papers	5,632 citations	25 h-index	72 g-index
72 ext. papers	6,392 ext. citations	9.8 avg, IF	4.79 L-index

#	Paper	IF	Citations
65	Identification of splenic reservoir monocytes and their deployment to inflammatory sites. <i>Science</i> , 2009 , 325, 612-6	33.3	1481
64	Therapeutic siRNA silencing in inflammatory monocytes in mice. <i>Nature Biotechnology</i> , 2011 , 29, 1005-10	44.5	594
63	Nanoparticle PET-CT imaging of macrophages in inflammatory atherosclerosis. <i>Circulation</i> , 2008 , 117, 379-87	16.7	460
62	Rapid monocyte kinetics in acute myocardial infarction are sustained by extramedullary monocytopoiesis. <i>Journal of Experimental Medicine</i> , 2012 , 209, 123-37	16.6	342
61	Differential contribution of monocytes to heart macrophages in steady-state and after myocardial infarction. <i>Circulation Research</i> , 2014 , 115, 284-95	15.7	305
60	Impaired infarct healing in atherosclerotic mice with Ly-6C(hi) monocytosis. <i>Journal of the American College of Cardiology</i> , 2010 , 55, 1629-38	15.1	238
59	Staphylocoagulase is a prototype for the mechanism of cofactor-induced zymogen activation. <i>Nature</i> , 2003 , 425, 535-9	50.4	199
58	18F-4V for PET-CT imaging of VCAM-1 expression in atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , 2009 , 2, 1213-22	8.4	166
57	Angiotensin-converting enzyme inhibition prevents the release of monocytes from their splenic reservoir in mice with myocardial infarction. <i>Circulation Research</i> , 2010 , 107, 1364-73	15.7	164
56	Activatable magnetic resonance imaging agent reports myeloperoxidase activity in healing infarcts and noninvasively detects the antiinflammatory effects of atorvastatin on ischemia-reperfusion injury. <i>Circulation</i> , 2008 , 117, 1153-60	16.7	158
55	Oxazine conjugated nanoparticle detects in vivo hypochlorous acid and peroxynitrite generation. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15739-44	16.4	151
54	Hybrid in vivo FMT-CT imaging of protease activity in atherosclerosis with customized nanosensors. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 1444-51	9.4	150
53	Angiotensin II drives the production of tumor-promoting macrophages. <i>Immunity</i> , 2013 , 38, 296-308	32.3	129
52	In vivo detection of Staphylococcus aureus endocarditis by targeting pathogen-specific prothrombin activation. <i>Nature Medicine</i> , 2011 , 17, 1142-6	50.5	125
51	Segregation of platelet aggregatory and procoagulant microdomains in thrombus formation: regulation by transient integrin activation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 2484-90	9.4	120
50	Exosites in the substrate specificity of blood coagulation reactions. <i>Journal of Thrombosis and Haemostasis</i> , 2007 , 5 Suppl 1, 81-94	15.4	116
49	Myeloperoxidase-rich Ly-6C ⁺ myeloid cells infiltrate allografts and contribute to an imaging signature of organ rejection in mice. <i>Journal of Clinical Investigation</i> , 2010 , 120, 2627-34	15.9	77

48	Von Willebrand factor-binding protein is a hysteretic conformational activator of prothrombin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 7786-91	11.5	75
47	Spatial distribution of factor Xa, thrombin, and fibrin(ogen) on thrombi at venous shear. <i>PLoS ONE</i> , 2010 , 5, e10415	3.7	61
46	Ratcheting of the substrate from the zymogen to proteinase conformations directs the sequential cleavage of prothrombin by prothrombinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 10099-104	11.5	52
45	Molecular MRI detects low levels of cardiomyocyte apoptosis in a transgenic model of chronic heart failure. <i>Circulation: Cardiovascular Imaging</i> , 2009 , 2, 468-75	3.9	48
44	Fibrinogen substrate recognition by staphylocoagulase.(pro)thrombin complexes. <i>Journal of Biological Chemistry</i> , 2006 , 281, 1179-87	5.4	46
43	The staphylocoagulase family of zymogen activator and adhesion proteins. <i>Cellular and Molecular Life Sciences</i> , 2004 , 61, 2793-8	10.3	42
42	Methods for measuring myeloperoxidase activity toward assessing inhibitor efficacy in living systems. <i>Journal of Leukocyte Biology</i> , 2016 , 99, 541-8	6.5	31
41	Novel fluorescent prothrombin analogs as probes of staphylocoagulase-prothrombin interactions. <i>Journal of Biological Chemistry</i> , 2006 , 281, 1169-78	5.4	30
40	Plasminogen substrate recognition by the streptokinase-plasminogen catalytic complex is facilitated by Arg253, Lys256, and Lys257 in the streptokinase beta-domain and kringle 5 of the substrate. <i>Journal of Biological Chemistry</i> , 2009 , 284, 19511-21	5.4	24
39	Molecular imaging of bacterial infections in vivo: the discrimination of infection from inflammation. <i>Informatics</i> , 2014 , 1, 72-99	2.2	23
38	Vasculitis: molecular imaging by targeting the inflammatory enzyme myeloperoxidase. <i>Radiology</i> , 2012 , 262, 181-90	20.5	22
37	Binding of the COOH-terminal lysine residue of streptokinase to plasmin(ogen) kringles enhances formation of the streptokinase.plasmin(ogen) catalytic complexes. <i>Journal of Biological Chemistry</i> , 2006 , 281, 26774-8	5.4	21
36	Skizzle is a novel plasminogen- and plasmin-binding protein from <i>Streptococcus agalactiae</i> that targets proteins of human fibrinolysis to promote plasmin generation. <i>Journal of Biological Chemistry</i> , 2010 , 285, 21153-64	5.4	20
35	Characterisation of the metabolites of an antibacterial endophyte <i>Botryodiplodia theobromae</i> Pat. of <i>Dracaena draco</i> L. by LC-MS/MS. <i>Natural Product Research</i> , 2015 , 29, 2275-81	2.3	17
34	Structural basis for reduced staphylocoagulase-mediated bovine prothrombin activation. <i>Journal of Biological Chemistry</i> , 2006 , 281, 1188-95	5.4	16
33	Pathogen activators of plasminogen. <i>Journal of Thrombosis and Haemostasis</i> , 2015 , 13 Suppl 1, S106-14	15.4	15
32	Active site-labeled prothrombin inhibits prothrombinase in vitro and thrombosis in vivo. <i>Journal of Biological Chemistry</i> , 2011 , 286, 23345-56	5.4	14
31	Restricted active site docking by enzyme-bound substrate enforces the ordered cleavage of prothrombin by prothrombinase. <i>Journal of Biological Chemistry</i> , 2007 , 282, 32974-82	5.4	13

30	Ordered cleavage of myeloperoxidase ester bonds releases active site heme leading to inactivation of myeloperoxidase by benzoic acid hydrazide analogs. <i>Archives of Biochemistry and Biophysics</i> , 2014 , 548, 74-85	4.1	12
29	Nanoparticle-based probes to enable noninvasive imaging of proteolytic activity for cancer diagnosis. <i>Nanomedicine</i> , 2016 , 11, 2007-22	5.6	12
28	Inactivation of myeloperoxidase by benzoic acid hydrazide. <i>Archives of Biochemistry and Biophysics</i> , 2015 , 570, 14-22	4.1	10
27	Endocarditis and molecular imaging. <i>Journal of Nuclear Cardiology</i> , 2014 , 21, 486-95	2.1	9
26	Complete Genome Sequence of Staphylococcus aureus Tager 104, a Sequence Type 49 Ancestor. <i>Genome Announcements</i> , 2013 , 1,		6
25	Quantitative, real-time in vivo tracking of magnetic nanoparticles using multispectral optoacoustic tomography (MSOT) imaging. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 178, 112951	3.5	5
24	Cerebrospinal fluid can exit into the skull bone marrow and instruct cranial hematopoiesis in mice with bacterial meningitis.. <i>Nature Neuroscience</i> , 2022 ,	25.5	4
23	Co-Delivery of Hispolon and Doxorubicin Liposomes Improves Efficacy Against Melanoma Cells. <i>AAPS PharmSciTech</i> , 2020 , 21, 304	3.9	3
22	Specificity and affinity of the N-terminal residues in staphylocoagulase in binding to prothrombin. <i>Journal of Biological Chemistry</i> , 2020 , 295, 5614-5625	5.4	3
21	Complete genome of Staphylococcus aureus Tager 104 provides evidence of its relation to modern systemic hospital-acquired strains. <i>BMC Genomics</i> , 2016 , 17, 179	4.5	3
20	Recent Advances in Lipid-Based Nanovesicular Delivery Systems for Melanoma Therapy. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2021 , 38, 1-38	2.8	3
19	Spontaneous and Interaction of (-)-Oleocanthal with Glycine in Biological Fluids: Novel Pharmacokinetic Markers. <i>ACS Pharmacology and Translational Science</i> , 2021 , 4, 179-192	5.9	3
18	Cerebrospinal fluid outflow through skull channels instructs cranial hematopoiesis		3
17	In Vivo Tracking of Streptococcal Infections of Subcutaneous Origin in a Murine Model. <i>Molecular Imaging and Biology</i> , 2015 , 17, 793-801	3.8	2
16	Physiological Basis for Differential Selectivity of Four Grass Species to Aminocyclopyrachlor. <i>Weed Science</i> , 2015 , 63, 788-798	2	2
15	Engineering streptokinase for generation of active site-labeled plasminogen analogs. <i>Analytical Biochemistry</i> , 2011 , 415, 105-15	3.1	2
14	The Cardioprotective Mechanism of Phenylaminoethyl Selenides (PAESe) Against Doxorubicin-Induced Cardiotoxicity Involves Frataxin. <i>Frontiers in Pharmacology</i> , 2020 , 11, 574656	5.6	2
13	Multimodal imaging of bacterial-host interface in mice and piglets with endocarditis. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	1

12	Correlation of 360-degree Surface Mapping In Vivo Bioluminescence with Multi-Spectral Optoacoustic Tomography in Human Xenograft Tumor Models. <i>Scientific Reports</i> , 2018 , 8, 3321	4.9	1
11	Design and implementation of a molecular imaging elective for third-year pharmacy students. <i>Currents in Pharmacy Teaching and Learning</i> , 2020 , 12, 132-141	1.5	1
10	AP183 Inhibits Biofilm Formation and Proliferation in Murine and Bovine Disease Models. <i>Frontiers in Microbiology</i> , 2021 , 12, 746410	5.7	0
9	Estimating the Center of Rotation of Tomographic Imaging Systems with a Limited Number of Projections. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2021 , 2021, 3157-3160	0.9	0
8	Staphylocoagulase 2010 , 575-590		
7	Mapping of the fibrinogen-binding site on the staphylocoagulase C-terminal repeat region.. <i>Journal of Biological Chemistry</i> , 2021 , 298, 101493	5.4	
6	Identification and Characterization of a Sodium Ion Binding Site on the Staphylocoagulase-Prothrombin Complex.. <i>Blood</i> , 2006 , 108, 1700-1700	2.2	
5	Streptococcus pyogenes Fibronectin-Binding Protein Is a Novel Prothrombin Activator.. <i>Blood</i> , 2006 , 108, 1691-1691	2.2	
4	Deep tissue imaging of B16 melanoma in mice by Multispectral Optoacoustic Tomography. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
3	Role of PLA2R1 and sPLA2 on Drug Release and Uptake of Liposome Nanoparticles in Prostate Cancer. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
2	Real-time Monitoring of Staphylococcus aureus Biofilm Formation Under Flow Condition in Microfluidic Chambers. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
1	Conformational Activation of Zymogen-Like Thrombin Variants by Tight Binding Ligands. <i>Blood</i> , 2008 , 112, 3070-3070	2.2	