Peter R Panizzi

List of Publications by Year in Descending Order

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	Cerebrospinal fluid can exit into the skull bone marrow and instruct cranial hematopoiesis in mice with bacterial meningitis.. *Nature Neuroscience*, **2022**,	25.5	4
64	Mapping of the fibrinogen-binding site on the staphylocoagulase C-terminal repeat region.. *Journal of Biological Chemistry*, **2021**, 298, 101493	5.4	
63	AP183 Inhibits Biofilm Formation and Proliferation in Murine and Bovine Disease Models. *Frontiers in Microbiology*, **2021**, 12, 746410	5.7	0
62	Recent Advances in Lipid-Based Nanovesicular Delivery Systems for Melanoma Therapy. *Critical Reviews in Therapeutic Drug Carrier Systems*, **2021**, 38, 1-38	2.8	3
61	Spontaneous and Interaction of (-)-Oleocanthal with Glycine in Biological Fluids: Novel Pharmacokinetic Markers. *ACS Pharmacology and Translational Science*, **2021**, 4, 179-192	5.9	3
60	Estimating the Center of Rotation of Tomographic Imaging Systems with a Limited Number of Projections. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2021**, 2021, 3157-3160	0.9	0
59	Multimodal imaging of bacterial-host interface in mice and piglets with endocarditis. *Science Translational Medicine*, **2020**, 12,	17.5	1
58	Co-Delivery of Hispolon and Doxorubicin Liposomes Improves Efficacy Against Melanoma Cells. *AAPS PharmSciTech*, **2020**, 21, 304	3.9	3
57	Specificity and affinity of the N-terminal residues in staphylocoagulase in binding to prothrombin. *Journal of Biological Chemistry*, **2020**, 295, 5614-5625	5.4	3
56	Deep tissue imaging of B16 melanoma in mice by Multispectral Optoacoustic Tomography. *FASEB Journal*, **2020**, 34, 1-1	0.9	
55	Role of PLA2R1 and sPLA2 on Drug Release and Uptake of Liposome Nanoparticles in Prostate Cancer. *FASEB Journal*, **2020**, 34, 1-1	0.9	
54	Real-time Monitoring of Staphylococcus aureus Biofilm Formation Under Flow Condition in Microfluidic Chambers. *FASEB Journal*, **2020**, 34, 1-1	0.9	
53	Quantitative, real-time in vivo tracking of magnetic nanoparticles using multispectral optoacoustic tomography (MSOT) imaging. *Journal of Pharmaceutical and Biomedical Analysis*, **2020**, 178, 112951	3.5	5
52	Design and implementation of a molecular imaging elective for third-year pharmacy students. *Currents in Pharmacy Teaching and Learning*, **2020**, 12, 132-141	1.5	1
51	The Cardioprotective Mechanism of Phenylaminoethyl Selenides (PAESe) Against Doxorubicin-Induced Cardiotoxicity Involves Frataxin. *Frontiers in Pharmacology*, **2020**, 11, 574656	5.6	2
50	Correlation of 360-degree Surface Mapping In Vivo Bioluminescence with Multi-Spectral Optoacoustic Tomography in Human Xenograft Tumor Models. *Scientific Reports*, **2018**, 8, 3321	4.9	1
49	Complete genome of Staphylococcus aureus Tager 104 provides evidence of its relation to modern systemic hospital-acquired strains. *BMC Genomics*, **2016**, 17, 179	4.5	3

48	Methods for measuring myeloperoxidase activity toward assessing inhibitor efficacy in living systems. *Journal of Leukocyte Biology*, **2016**, 99, 541-8	6.5	31
47	Nanoparticle-based probes to enable noninvasive imaging of proteolytic activity for cancer diagnosis. *Nanomedicine*, **2016**, 11, 2007-22	5.6	12
46	In Vivo Tracking of Streptococcal Infections of Subcutaneous Origin in a Murine Model. *Molecular Imaging and Biology*, **2015**, 17, 793-801	3.8	2
45	Characterisation of the metabolites of an antibacterial endophyte Botryodiplodia theobromae Pat. of Dracaena draco L. by LC-MS/MS. *Natural Product Research*, **2015**, 29, 2275-81	2.3	17
44	Pathogen activators of plasminogen. *Journal of Thrombosis and Haemostasis*, **2015**, 13 Suppl 1, S106-14	15.4	15
43	Physiological Basis for Differential Selectivity of Four Grass Species to Aminocyclopyrachlor. *Weed Science*, **2015**, 63, 788-798	2	2
42	Inactivation of myeloperoxidase by benzoic acid hydrazide. *Archives of Biochemistry and Biophysics*, **2015**, 570, 14-22	4.1	10
41	Ordered cleavage of myeloperoxidase ester bonds releases active site heme leading to inactivation of myeloperoxidase by benzoic acid hydrazide analogs. *Archives of Biochemistry and Biophysics*, **2014**, 548, 74-85	4.1	12
40	Endocarditis and molecular imaging. *Journal of Nuclear Cardiology*, **2014**, 21, 486-95	2.1	9
39	Differential contribution of monocytes to heart macrophages in steady-state and after myocardial infarction. *Circulation Research*, **2014**, 115, 284-95	15.7	305
38	Molecular imaging of bacterial infections in vivo: the discrimination of infection from inflammation. *Informatics*, **2014**, 1, 72-99	2.2	23
37	Angiotensin II drives the production of tumor-promoting macrophages. *Immunity*, **2013**, 38, 296-308	32.3	129
36	Complete Genome Sequence of Staphylococcus aureus Tager 104, a Sequence Type 49 Ancestor. *Genome Announcements*, **2013**, 1,		6
35	Vasculitis: molecular imaging by targeting the inflammatory enzyme myeloperoxidase. *Radiology*, **2012**, 262, 181-90	20.5	22
34	Rapid monocyte kinetics in acute myocardial infarction are sustained by extramedullary monocytopoiesis. *Journal of Experimental Medicine*, **2012**, 209, 123-37	16.6	342
33	In vivo detection of Staphylococcus aureus endocarditis by targeting pathogen-specific prothrombin activation. *Nature Medicine*, **2011**, 17, 1142-6	50.5	125
32	Therapeutic siRNA silencing in inflammatory monocytes in mice. *Nature Biotechnology*, **2011**, 29, 1005-10	44.5	594
31	Engineering streptokinase for generation of active site-labeled plasminogen analogs. *Analytical Biochemistry*, **2011**, 415, 105-15	3.1	2

30	Active site-labeled prothrombin inhibits prothrombinase in vitro and thrombosis in vivo. *Journal of Biological Chemistry*, **2011**, 286, 23345-56	5.4	14
29	Spatial distribution of factor Xa, thrombin, and fibrin(ogen) on thrombi at venous shear. *PLoS ONE*, **2010**, 5, e10415	3.7	61
28	Angiotensin-converting enzyme inhibition prevents the release of monocytes from their splenic reservoir in mice with myocardial infarction. *Circulation Research*, **2010**, 107, 1364-73	15.7	164
27	Skizzle is a novel plasminogen- and plasmin-binding protein from Streptococcus agalactiae that targets proteins of human fibrinolysis to promote plasmin generation. *Journal of Biological Chemistry*, **2010**, 285, 21153-64	5.4	20
26	Staphylocoagulase **2010**, 575-590		
25	Impaired infarct healing in atherosclerotic mice with Ly-6C(hi) monocytosis. *Journal of the American College of Cardiology*, **2010**, 55, 1629-38	15.1	238
24	Myeloperoxidase-rich Ly-6C+ myeloid cells infiltrate allografts and contribute to an imaging signature of organ rejection in mice. *Journal of Clinical Investigation*, **2010**, 120, 2627-34	15.9	77
23	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. *Journal of Biological Chemistry*, **2009**, 284, 19511-21	5.4	24
22	Von Willebrand factor-binding protein is a hysteretic conformational activator of prothrombin. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 7786-91	11.5	75
21	Molecular MRI detects low levels of cardiomyocyte apoptosis in a transgenic model of chronic heart failure. *Circulation: Cardiovascular Imaging*, **2009**, 2, 468-75	3.9	48
20	Hybrid in vivo FMT-CT imaging of protease activity in atherosclerosis with customized nanosensors. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2009**, 29, 1444-51	9.4	150
19	18F-4V for PET-CT imaging of VCAM-1 expression in atherosclerosis. *JACC: Cardiovascular Imaging*, **2009**, 2, 1213-22	8.4	166
18	Oxazine conjugated nanoparticle detects in vivo hypochlorous acid and peroxynitrite generation. *Journal of the American Chemical Society*, **2009**, 131, 15739-44	16.4	151
17	Identification of splenic reservoir monocytes and their deployment to inflammatory sites. *Science*, **2009**, 325, 612-6	33.3	1481
16	Nanoparticle PET-CT imaging of macrophages in inflammatory atherosclerosis. *Circulation*, **2008**, 117, 379-87	16.7	460
15	Activatable magnetic resonance imaging agent reports myeloperoxidase activity in healing infarcts and noninvasively detects the antiinflammatory effects of atorvastatin on ischemia-reperfusion injury. *Circulation*, **2008**, 117, 1153-60	16.7	158
14	Conformational Activation of Zymogen-Like Thrombin Variants by Tight Binding Ligands. *Blood*, **2008**, 112, 3070-3070	2.2	
13	Exosites in the substrate specificity of blood coagulation reactions. *Journal of Thrombosis and Haemostasis*, **2007**, 5 Suppl 1, 81-94	15.4	116

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12	Segregation of platelet aggregatory and procoagulant microdomains in thrombus formation: regulation by transient integrin activation. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2007**, 27, 2484-90	9.4	120
11	Restricted active site docking by enzyme-bound substrate enforces the ordered cleavage of prothrombin by prothrombinase. *Journal of Biological Chemistry*, **2007**, 282, 32974-82	5.4	13
10	Binding of the COOH-terminal lysine residue of streptokinase to plasmin(ogen) kringles enhances formation of the streptokinase.plasmin(ogen) catalytic complexes. *Journal of Biological Chemistry*, **2006**, 281, 26774-8	5.4	21
9	Novel fluorescent prothrombin analogs as probes of staphylocoagulase-prothrombin interactions. *Journal of Biological Chemistry*, **2006**, 281, 1169-78	5.4	30
8	Structural basis for reduced staphylocoagulase-mediated bovine prothrombin activation. *Journal of Biological Chemistry*, **2006**, 281, 1188-95	5.4	16
7	Fibrinogen substrate recognition by staphylocoagulase.(pro)thrombin complexes. *Journal of Biological Chemistry*, **2006**, 281, 1179-87	5.4	46
6	Identification and Characterization of a Sodium Ion Binding Site on the Staphylocoagulase-Prothrombin Complex.. *Blood*, **2006**, 108, 1700-1700	2.2	
5	Streptococcus pyogenes Fibronectin-Binding Protein Is a Novel Prothrombin Activator.. *Blood*, **2006**, 108, 1691-1691	2.2	
4	Ratcheting of the substrate from the zymogen to proteinase conformations directs the sequential cleavage of prothrombin by prothrombinase. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 10099-104	11.5	52
3	The staphylocoagulase family of zymogen activator and adhesion proteins. *Cellular and Molecular Life Sciences*, **2004**, 61, 2793-8	10.3	42
2	Staphylocoagulase is a prototype for the mechanism of cofactor-induced zymogen activation. *Nature*, **2003**, 425, 535-9	50.4	199
1	Cerebrospinal fluid outflow through skull channels instructs cranial hematopoiesis		3