Valery N Bochkov

List of Publications by Year
in descending order

71	6,348	101496 36	106281 65
papers	citations	h-index	g-index

71	71	71	10920
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Discovery and resupply of pharmacologically active plant-derived natural products: A review. Biotechnology Advances, 2015, 33, 1582-1614.	6.0	1,871
2	Generation and Biological Activities of Oxidized Phospholipids. Antioxidants and Redox Signaling, 2010, 12, 1009-1059.	2.5	461
3	Protective role of phospholipid oxidation products in endotoxin-induced tissue damage. Nature, 2002, 419, 77-81.	13.7	365
4	12/15-Lipoxygenase Orchestrates the Clearance of Apoptotic Cells and Maintains Immunologic Tolerance. Immunity, 2012, 36, 834-846.	6.6	204
5	Expression of Heme Oxygenase-1 in Human Vascular Cells Is Regulated by Peroxisome Proliferator-Activated Receptors. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 1276-1282.	1.1	201
6	Oxidized phospholipids stimulate tissue factor expression in human endothelial cells via activation of ERK/EGR-1 and Ca++/NFAT. Blood, 2002, 99, 199-206.	0.6	185
7	Oxidized Phospholipids Induce Expression of Human Heme Oxygenase-1 Involving Activation of cAMP-responsive Element-binding Protein. Journal of Biological Chemistry, 2003, 278, 51006-51014.	1.6	169
8	Epoxycyclopentenone-Containing Oxidized Phospholipids Restore Endothelial Barrier Function via Cdc42 and Rac. Circulation Research, 2004, 95, 892-901.	2.0	146
9	Oxidized Phospholipids Trigger Atherogenic Inflammation in Murine Arteries. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 633-638.	1.1	138
10	Oxidized Phospholipids Stimulate Angiogenesis Via Autocrine Mechanisms, Implicating a Novel Role for Lipid Oxidation in the Evolution of Atherosclerotic Lesions. Circulation Research, 2006, 99, 900-908.	2.0	134
11	Oxidized Phospholipids Regulate Expression of ATF4 and VEGF in Endothelial Cells via NRF2-Dependent Mechanism: Novel Point of Convergence Between Electrophilic and Unfolded Protein Stress Pathways. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 1007-1013.	1.1	127
12	Oxidized Phospholipids Reduce Vascular Leak and Inflammation in Rat Model of Acute Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2006, 173, 1130-1138.	2.5	121
13	Nrf2 Regulates Antioxidant Gene Expression Evoked by Oxidized Phospholipids in Endothelial Cells and Murine Arteries In Vivo. Circulation Research, 2008, 103, e1-9.	2.0	121
14	Autophagy Is Induced by UVA and Promotes Removal of Oxidized Phospholipids and Protein Aggregates in Epidermal Keratinocytes. Journal of Investigative Dermatology, 2013, 133, 1629-1637.	0.3	116
15	Oxidized Phospholipids Negatively Regulate Dendritic Cell Maturation Induced by TLRs and CD40. Journal of Immunology, 2005, 175, 501-508.	0.4	114
16	Oxidized Phospholipids Are More Potent Antagonists of Lipopolysaccharide than Inducers of Inflammation. Journal of Immunology, 2010, 185, 7706-7712.	0.4	110
17	ATF4-dependent transcription is a key mechanism in VEGF up-regulation by oxidized phospholipids: critical role of oxidized sn-2 residues in activation of unfolded protein response. Blood, 2008, 112, 330-339.	0.6	97
18	Pleiotropic effects of oxidized phospholipids. Free Radical Biology and Medicine, 2017, 111, 6-24.	1.3	96

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19	Analysis of inflammatory gene induction by oxidized phospholipids in vivo by quantitative real-time RT-PCR in comparison with effects of LPS. Vascular Pharmacology, 2002, 38, 219-227.	1.0	90
20	Multi-Hit Inhibition of Circulating and Cell-Associated Components of the Toll-Like Receptor 4 Pathway by Oxidized Phospholipids. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 356-362.	1.1	88
21	Targeted profiling of atherogenic phospholipids in human plasma and lipoproteins of hyperlipidemic patients using MALDI-QIT-TOF-MS/MS. Atherosclerosis, 2012, 224, 177-186.	0.4	78
22	12/15-lipoxygenaseâ€“mediated enzymatic lipid oxidation regulates DC maturation and function. Journal of Clinical Investigation, 2015, 125, 1944-1954.	3.9	77
23	Anti-inflammatory properties of lipid oxidation products. Journal of Molecular Medicine, 2003, 81, 613-626.	1.7	73
24	A simplified procedure for semi-targeted lipidomic analysis of oxidized phosphatidylcholines induced by UVA irradiation. Journal of Lipid Research, 2012, 53, 1232-1242.	2.0	71
25	Inflammatory profile of oxidized phospholipids. Thrombosis and Haemostasis, 2007, 97, 348-354.	1.8	68
26	Oxidized phospholipids reduce ventilator-induced vascular leak and inflammation in vivo. Critical Care, 2008, 12, R27.	2.5	65
27	The isoprostane 8â€isoâ€PGF2Î±stimulates endothelial cells to bind monocytes: difference to thromboxaneâ€mediated endothelial activation. FASEB Journal, 2001, 15, 1254-1256.	0.2	64
28	Polar head groups are important for barrier-protective effects of oxidized phospholipids on pulmonary endothelium. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 292, L924-L935.	1.3	64
29	Photooxidation Generates Biologically Active Phospholipids That Induce Heme Oxygenase-1 in Skin Cells. Journal of Biological Chemistry, 2007, 282, 16934-16941.	1.6	52
30	Analysis of Oxidized Phospholipids by MALDI Mass Spectrometry Using 6-Aza-2-thiothymine Together with Matrix Additives and Disposable Target Surfaces. Analytical Chemistry, 2010, 82, 5502-5510.	3.2	50
31	GRP78 is a novel receptor initiating a vascular barrier protective response to oxidized phospholipids. Molecular Biology of the Cell, 2014, 25, 2006-2016.	0.9	49
32	Cytoplasmic Proteome and Secretome Profiles of Differently Stimulated Human Dendritic Cells. Journal of Proteome Research, 2009, 8, 2799-2811.	1.8	48
33	Signaling pathways involved in OxPAPC-induced pulmonary endothelial barrier protection. Microvascular Research, 2007, 73, 173-181.	1.1	45
34	Epigenetic regulation of dendritic cell differentiation and function by oxidized phospholipids. Blood, 2009, 114, 5481-5489.	0.6	40
35	Permissive role of miR-663 in induction of VEGF and activation of the ATF4 branch of unfolded protein response in endothelial cells by oxidized phospholipids. Atherosclerosis, 2012, 225, 50-55.	0.4	38
36	Hormetic and anti-inflammatory properties of oxidized phospholipids. Molecular Aspects of Medicine, 2016, 49, 78-90.	2.7	37

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37	Anti-Inflammatory Effects of OxPAPC Involve Endothelial Cellâ€“Mediated Generation of LXA4. Circulation Research, 2017, 121, 244-257.	2.0	37
38	The Oxidation State of Phospholipids Controls the Oxidative Burst in Neutrophil Granulocytes. Journal of Immunology, 2008, 181, 4347-4353.	0.4	34
39	Nrf2 deficiency causes lipid oxidation, inflammation, and matrix-protease expression in DHA-supplemented and UVA-irradiated skin fibroblasts. Free Radical Biology and Medicine, 2015, 88, 439-451.	1.3	33
40	A novel role for NUPR1 in the keratinocyte stress response to UV oxidized phospholipids. Redox Biology, 2019, 20, 467-482.	3.9	32
41	Oxidized phospholipids induce anergy in human peripheral blood T cells. European Journal of Immunology, 2008, 38, 778-787.	1.6	31
42	Inflammatory profile of oxidized phospholipids. Thrombosis and Haemostasis, 2007, 97, 348-54.	1.8	29
43	Inactivation of autophagy leads to changes in sebaceous gland morphology and function. Experimental Dermatology, 2018, 27, 1142-1151.	1.4	27
44	Involvement of CK2 in activation of electrophilic genes in endothelial cells by oxidized phospholipids. Journal of Lipid Research, 2011, 52, 98-103.	2.0	25
45	Retinal pigment epithelium cells produce VEGF in response to oxidized phospholipids through mechanisms involving ATF4 and protein kinase CK2. Experimental Eye Research, 2013, 116, 177-184.	1.2	25
46	Elevated truncated oxidized phospholipids as a factor exacerbating ALI in the aging lungs. FASEB Journal, 2019, 33, 3887-3900.	0.2	24
47	Drugs from nature targeting inflammation (DNTI): a successful Austrian interdisciplinary network project. Monatshefte FÃ¼r Chemie, 2016, 147, 479-491.	0.9	22
48	WAVE1 mediates suppression of phagocytosis by phospholipid-derived DAMPs. Journal of Clinical Investigation, 2013, 123, 3014-3024.	3.9	21
49	Incorporation of iloprost in phospholipase-resistant phospholipid scaffold enhances its barrier protective effects on pulmonary endothelium. Scientific Reports, 2018, 8, 879.	1.6	16
50	Oxidised phospholipids as biomarkers in human disease. Swiss Medical Weekly, 2014, 144, w14037.	0.8	16
51	Prostaglandin E receptorâ€4 receptor mediates endothelial barrierâ€“enhancing and antiâ€inflammatory effects of oxidized phospholipids. FASEB Journal, 2017, 31, 4187-4202.	0.2	14
52	Off-Target Anti-Inflammatory Activity of the P2X7 Receptor Antagonist AZ11645373. Inflammation, 2017, 40, 530-536.	1.7	12
53	Biochemical targets of drugs mitigating oxidative stress via redox-independent mechanisms. Biochemical Society Transactions, 2017, 45, 1225-1252.	1.6	12
54	Analysis of fragmented oxidized phosphatidylcholines in human plasma using mass spectrometry: Comparison with immune assays. Free Radical Biology and Medicine, 2019, 144, 167-175.	1.3	11

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55	Unbiased Identification of Proteins Covalently Modified by Complex Mixtures of Peroxidized Lipids Using a Combination of Electrophoretic Mobility Band Shift with Mass Spectrometry. Antioxidants, 2018, 7, 116.	2.2	10
56	Antitumoral and anti-inflammatory activities of the red alga Sphaerococcus coronopifolius. European Journal of Integrative Medicine, 2018, 18, 66-74.	0.8	8
57	C13 Megastigmane Derivatives From Epipremnum pinnatum: Î²-Damascenone Inhibits the Expression of Pro-Inflammatory Cytokines and Leukocyte Adhesion Molecules as Well as NF-ÎºB Signaling. Frontiers in Pharmacology, 2019, 10, 1351.	1.6	8
58	Plant extracts in cell-based anti-inflammatory assaysâ€"Pitfalls and considerations related to removal of activity masking bulk components. Phytochemistry Letters, 2014, 10, xli-xlvii.	0.6	6
59	Novel immune assay for quantification of plasma protective capacity against oxidized phospholipids. Biomarkers in Medicine, 2016, 10, 797-810.	0.6	5
60	Oxidized phospholipids stimulate production of stem cell factor via NRF2-dependent mechanisms. Angiogenesis, 2018, 21, 229-236.	3.7	4
61	Oxidized phospholipids on alkyl-amide scaffold demonstrate anti-endotoxin and endothelial barrier-protective properties. Free Radical Biology and Medicine, 2021, 174, 264-271.	1.3	4
62	Gain of function mechanisms triggering biological effects of oxidized phospholipids. Current Opinion in Toxicology, 2020, 20-21, 85-94.	2.6	3
63	Characterization of Constituents with Potential Anti-Inflammatory Activity in Chinese Lonicera Species by UHPLC-HRMS Based Metabolite Profiling. Metabolites, 2022, 12, 288.	1.3	3
64	OxPLsâ€Masking/Degradation Immune Assay: An â€œAllâ€Includedâ€•Analysis of Mechanisms Detoxifying Oxidized Phospholipids. European Journal of Lipid Science and Technology, 2019, 121, 1800511.	1.0	2
65	Redox Regulation of Endothelial Function. Antioxidants and Redox Signaling, 2003, 5, 145-146.	2.5	1
66	Immune therapy for regression of atherosclerotic lesions. Expert Opinion on Therapeutic Patents, 2007, 17, 1197-1199.	2.4	0
67	12/15-lipoxygenase orchestrates the clearance of apoptotic cells and maintains immunological tolerance. Annals of the Rheumatic Diseases, 2011, 70, A41-A41.	0.5	0
68	12/15-lipoxygenase orchestrates the clearance of apoptotic cells and maintains immunologic tolerance. Annals of the Rheumatic Diseases, 2012, 71, A37.2-A37.	0.5	0
69	A8.15â€…Enzymatic lipid oxidation by 12/15-lipoxygenase regulates maturation and function of dendritic cells. Annals of the Rheumatic Diseases, 2014, 73, A82.1-A82.	0.5	0
70	Apoptotic Microparticles Derived from Endothelial Cells, Smooth Muscle Cells and Monocytes Induce Thrombin Generation Via Different Pathways.. Blood, 2005, 106, 1944-1944.	0.6	0
71	Phosphatidylserine and Oxidized Phosphatidylethanolamine Interact with Protein C Inhibitor (PCI) and Modify Its Activity.. Blood, 2005, 106, 1026-1026.	0.6	0