

Matteo Becatti

List of Publications by Year in descending order

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Version: 2024-02-01

109
papers

3,458
citations

101384

36
h-index

161609

54
g-index

115
all docs

115
docs citations

115
times ranked

4944
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Calorie Vegetarian Versus Mediterranean Diets for Reducing Body Weight and Improving Cardiovascular Risk Profile. <i>Circulation</i> , 2018, 137, 1103-1113.	1.6	186
2	SIRT1 modulates MAPK pathways in ischemicâ€“reperfused cardiomyocytes. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 2245-2260.	2.4	127
3	Neutrophil Activation Promotes Fibrinogen Oxidation and Thrombus Formation in Behçet Disease. <i>Circulation</i> , 2016, 133, 302-311.	1.6	125
4	Cadmium-Induced Oxidative Stress: Focus on the Central Nervous System. <i>Antioxidants</i> , 2020, 9, 492.	2.2	125
5	Thrombosis in vasculitis: from pathogenesis to treatment. <i>Thrombosis Journal</i> , 2015, 13, 15.	0.9	112
6	Binding affinity of amyloid oligomers to cellular membranes is a generic indicator of cellular dysfunction in protein misfolding diseases. <i>Scientific Reports</i> , 2016, 6, 32721.	1.6	107
7	Vascular Behçetâ€™s syndrome: an update. <i>Internal and Emergency Medicine</i> , 2019, 14, 645-652.	1.0	99
8	Behçet's Syndrome as a Model of Thrombo-Inflammation: The Role of Neutrophils. <i>Frontiers in Immunology</i> , 2019, 10, 1085.	2.2	79
9	Oxidative Modification of Fibrinogen Is Associated With Altered Function and Structure in the Subacute Phase of Myocardial Infarction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1355-1361.	1.1	77
10	Membrane lipid composition and its physicochemical properties define cell vulnerability to aberrant protein oligomers. <i>Journal of Cell Science</i> , 2012, 125, 2416-27.	1.2	75
11	Antiâ€“oxidant enzymes and related elements in term and preterm newborns. <i>Pediatrics International</i> , 2009, 51, 183-187.	0.2	74
12	Curcumin protects cardiac cells against ischemia-reperfusion injury: effects on oxidative stress, NF-Î²B, and JNK pathways. <i>Free Radical Biology and Medicine</i> , 2008, 45, 839-846.	1.3	71
13	Altered redox status in the blood of psoriatic patients: involvement of NADPH oxidase and role of anti-TNF-Î± therapy. <i>Redox Report</i> , 2013, 18, 100-106.	1.4	69
14	Replacement of the Thiosugar of Auranofin with Iodide Enhances the Anticancer Potency in a Mouse Model of Ovarian Cancer. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 656-660.	1.3	64
15	The Impact of Oxidative Stress in Male Infertility. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 799294.	1.6	62
16	Ultrastructural and functional alterations of mitochondria in perilesional vitiligo skin. <i>Journal of Dermatological Science</i> , 2009, 54, 157-167.	1.0	61
17	Fibrin Resistance to Lysis in Patients with Pulmonary Hypertension Other Than Thromboembolic. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 181, 992-996.	2.5	60
18	Characterization of Khorasan wheat (Kamut) and impact of a replacement diet on cardiovascular risk factors: cross-over dietary intervention study. <i>European Journal of Clinical Nutrition</i> , 2013, 67, 190-195.	1.3	59

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19	<scp>SIRT</scp>1 regulates <scp>MAPK</scp> pathways in vitiligo skin: insight into the molecular pathways of cell survival. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 514-529.	1.6	59
20	The Involvement of Smac/DIABLO, p53, NF- κ B, and MAPK Pathways in Apoptosis of Keratinocytes from Perilesional Vitiligo Skin: Protective Effects of Curcumin and Capsaicin. <i>Antioxidants and Redox Signaling</i> , 2010, 13, 1309-1321.	2.5	58
21	Adalimumab-Based Treatment Versus Disease-Modifying Antirheumatic Drugs for Venous Thrombosis in Behçet's Syndrome. <i>Arthritis and Rheumatology</i> , 2018, 70, 1500-1507.	2.9	57
22	Effects of Cadmium on ZO-1 Tight Junction Integrity of the Blood Brain Barrier. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6010.	1.8	55
23	Cadmium-Induced Cytotoxicity: Effects on Mitochondrial Electron Transport Chain. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 604377.	1.8	55
24	A comparison of the biochemical modifications caused by toxic and non-toxic protein oligomers in cells. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 2106-2116.	1.6	53
25	Antiproliferative effects of two gold(I)-N-heterocyclic carbene complexes in A2780 human ovarian cancer cells: a comparative proteomic study. <i>Oncotarget</i> , 2018, 9, 28042-28068.	0.8	53
26	Oxaliplatin-induced blood brain barrier loosening: a new point of view on chemotherapy-induced neurotoxicity. <i>Oncotarget</i> , 2018, 9, 23426-23438.	0.8	52
27	Treatment with low-dose cytokines reduces oxidative-mediated injury in perilesional keratinocytes from vitiligo skin. <i>Journal of Dermatological Science</i> , 2015, 79, 163-170.	1.0	49
28	Sirt1 Protects against Oxidative Stress-Induced Apoptosis in Fibroblasts from Psoriatic Patients: A New Insight into the Pathogenetic Mechanisms of Psoriasis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1572.	1.8	49
29	β -Adrenoceptor as a potential immunosuppressor agent in melanoma. <i>British Journal of Pharmacology</i> , 2019, 176, 2509-2524.	2.7	49
30	Role of NADPH oxidase in H9c2 cardiac muscle cells exposed to simulated ischaemia-reperfusion. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 2724-2735.	1.6	45
31	Platelet and leukocyte ROS production and lipoperoxidation are associated with high platelet reactivity in Non-ST elevation myocardial infarction (NSTEMI) patients on dual antiplatelet treatment. <i>Atherosclerosis</i> , 2013, 231, 392-400.	0.4	43
32	Evidence for oxidative stress in plasma of patients with Marfan syndrome. <i>International Journal of Cardiology</i> , 2010, 145, 544-546.	0.8	42
33	Erythrocyte oxidative stress is associated with cell deformability in patients with retinal vein occlusion. <i>Journal of Thrombosis and Haemostasis</i> , 2016, 14, 2287-2297.	1.9	42
34	Lipid rafts are primary mediators of amyloid oxidative attack on plasma membrane. <i>Journal of Molecular Medicine</i> , 2010, 88, 597-608.	1.7	41
35	Membrane cholesterol enrichment prevents $A\beta$ -induced oxidative stress in Alzheimer's fibroblasts. <i>Neurobiology of Aging</i> , 2011, 32, 210-222.	1.5	41
36	Soluble Oligomers Require a Ganglioside to Trigger Neuronal Calcium Overload. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 923-938.	1.2	41

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37	Behçet's syndrome as a tool to dissect the mechanisms of thrombo-inflammation: clinical and pathogenetic aspects. <i>Clinical and Experimental Immunology</i> , 2019, 195, 322-333.	1.1	41
38	A Biochemical Approach to Detect Oxidative Stress in Infertile Women Undergoing Assisted Reproductive Technology Procedures. <i>International Journal of Molecular Sciences</i> , 2018, 19, 592.	1.8	39
39	Certolizumab Pegol treatment in Behçet's disease with different organ involvement: A multicenter retrospective observational study. <i>Modern Rheumatology</i> , 2017, 27, 1031-1035.	0.9	38
40	The right place of interleukin-1 inhibitors in the treatment of Behçet's syndrome: a systematic review. <i>Rheumatology International</i> , 2019, 39, 971-990.	1.5	38
41	An Organic Khorasan Wheat-Based Replacement Diet Improves Risk Profile of Patients with Acute Coronary Syndrome: A Randomized Crossover Trial. <i>Nutrients</i> , 2015, 7, 3401-3415.	1.7	35
42	A khorasan wheat-based replacement diet improves risk profile of patients with type 2 diabetes mellitus (T2DM): a randomized crossover trial. <i>European Journal of Nutrition</i> , 2017, 56, 1191-1200.	1.8	35
43	Protective effect of new S-acylglutathione derivatives against amyloid-induced oxidative stress. <i>Free Radical Biology and Medicine</i> , 2008, 44, 1624-1636.	1.3	33
44	Protection from cigarette smoke-induced vascular injury by recombinant human relaxin (serelaxin). <i>Journal of Cellular and Molecular Medicine</i> , 2016, 20, 891-902.	1.6	31
45	Redox status alterations during the competitive season in elite soccer players: focus on peripheral leukocyte-derived ROS. <i>Internal and Emergency Medicine</i> , 2017, 12, 777-788.	1.0	31
46	Butyrate-Rich Diets Improve Redox Status and Fibrin Lysis in Behçet's Syndrome. <i>Circulation Research</i> , 2021, 128, 278-280.	2.0	31
47	Cannabidiol Protects Dopaminergic Neuronal Cells from Cadmium. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4420.	1.2	30
48	S-linolenoyl glutathione intake extends life-span and stress resistance via Sir-2.1 upregulation in <i>Caenorhabditis elegans</i> . <i>Free Radical Biology and Medicine</i> , 2014, 73, 127-135.	1.3	25
49	Erythrocyte Membrane Fluidity Alterations in Sudden Sensorineural Hearing Loss Patients: The Role of Oxidative Stress. <i>Thrombosis and Haemostasis</i> , 2017, 117, 2334-2345.	1.8	24
50	Neutrophil-mediated mechanisms of damage and <i>in-vitro</i> protective effect of colchicine in non-vascular Behçet's syndrome. <i>Clinical and Experimental Immunology</i> , 2021, 206, 410-421.	1.1	24
51	Plasma Membrane Injury Depends on Bilayer Lipid Composition in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2014, 41, 289-300.	1.2	23
52	Low dose cytokines reduce oxidative stress in primary lesional fibroblasts obtained from psoriatic patients. <i>Journal of Dermatological Science</i> , 2016, 83, 242-244.	1.0	23
53	ROS-challenged keratinocytes as a new model for oxidative stress-mediated skin diseases. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 28-36.	1.2	21
54	Etoposide-Bevacizumab a new strategy against human melanoma cells expressing stem-like traits. <i>Oncotarget</i> , 2016, 7, 51138-51149.	0.8	21

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55	Redox status assessment in infertile patients with non-obstructive azoospermia undergoing testicular sperm extraction: A prospective study. <i>Andrology</i> , 2020, 8, 364-371.	1.9	20
56	Residual perfusion defects in patients with pulmonary embolism are related to impaired fibrinolytic capacity. <i>Thrombosis Research</i> , 2014, 134, 737-741.	0.8	18
57	Fibroblasts to Keratinocytes Redox Signaling: The Possible Role of ROS in Psoriatic Plaque Formation. <i>Antioxidants</i> , 2019, 8, 566.	2.2	18
58	Modulation of gut microbiota through nutritional interventions in Behçet's syndrome patients (the Tj ETQq0.0.0 rgBT /Overlock 1	0.7	18
59	A new low molecular weight, Mn ^{II} -containing scavenger of superoxide anion protects cardiac muscle cells from hypoxia/reoxygenation injury. <i>Free Radical Research</i> , 2015, 49, 67-77.	1.5	17
60	A Khorasan Wheat-Based Replacement Diet Improves Risk Profile of Patients With Nonalcoholic Fatty Liver Disease (NAFLD): A Randomized Clinical Trial. <i>Journal of the American College of Nutrition</i> , 2018, 37, 508-514.	1.1	17
61	A unique circulating miRNA profile highlights thrombo-inflammation in Behçet's syndrome. <i>Annals of the Rheumatic Diseases</i> , 2022, 81, 386-397.	0.5	17
62	Alcohol-Induced Blood-Brain Barrier Impairment: An In Vitro Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2683.	1.2	16
63	Repeated low-dose courses of rituximab in SLE-associated antiphospholipid syndrome: Data from a tertiary dedicated centre. <i>Seminars in Arthritis and Rheumatism</i> , 2017, 46, e21-e23.	1.6	15
64	Different Antioxidant Efficacy of Two MnII-Containing Superoxide Anion Scavengers on Hypoxia/Reoxygenation-Exposed Cardiac Muscle Cells. <i>Scientific Reports</i> , 2019, 9, 10320.	1.6	14
65	Albumin Cys34 adducted by acrolein as a marker of oxidative stress in ischemia-reperfusion injury during hepatectomy. <i>Free Radical Research</i> , 2016, 50, 831-839.	1.5	13
66	Doxorubicin-induced senescence in normal fibroblasts promotes in vitro tumour cell growth and invasiveness: The role of Quercetin in modulating these processes. <i>Mechanisms of Ageing and Development</i> , 2022, 206, 111689.	2.2	12
67	Detection of Allergen-IgE interaction in Allergic Children Through Combined Impedance and ROS Measurements. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017, 66, 616-623.	2.4	11
68	Oxidative stress and high-mobility group box 1 (HMGB1) protein release in vitiligo. <i>British Journal of Dermatology</i> , 2017, 176, 1436-1437.	1.4	11
69	Cytokines, chemokines, and flare in the anterior chamber after femtosecond laser-assisted cataract surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2019, 45, 910-914.	0.7	11
70	Stem-Cell-Derived Circulating Progenitors Dysfunction in Behçet's Syndrome Patients Correlates With Oxidative Stress. <i>Frontiers in Immunology</i> , 2019, 10, 2877.	2.2	11
71	Protective Properties of Novel <i>S</i> -Acyl-L-Glutathione Thioesters Against Ultraviolet-Induced Oxidative Stress. <i>Photochemistry and Photobiology</i> , 2013, 89, 442-452.	1.3	10
72	Hyperhomocysteinemia in patients with pulmonary embolism is associated with impaired plasma fibrinolytic capacity. <i>Journal of Thrombosis and Thrombolysis</i> , 2014, 38, 45-49.	1.0	10

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73	Co-expression of the SARS-CoV-2 entry receptors ACE2 and TMPRSS2 in healthy human conjunctiva. <i>Experimental Eye Research</i> , 2021, 205, 108527.	1.2	10
74	SIRT1 activity is decreased in lesional psoriatic skin. <i>Internal and Emergency Medicine</i> , 2016, 11, 891-893.	1.0	9
75	Consumption of buckwheat products and cardiovascular risk profile: A randomized, single-blinded crossover trial. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2017, 27, e20-e21.	1.1	9
76	Super-Resolution Microscopy Reveals an Altered Fibrin Network in Cirrhosis: The Key Role of Oxidative Stress in Fibrinogen Structural Modifications. <i>Antioxidants</i> , 2020, 9, 737.	2.2	9
77	Human Relaxin-2 (Serelaxin) Attenuates Oxidative Stress in Cardiac Muscle Cells Exposed In Vitro to Hypoxia Reoxygenation. Evidence for the Involvement of Reduced Glutathione Up-Regulation. <i>Antioxidants</i> , 2020, 9, 774.	2.2	9
78	Protection of coronary endothelial cells from cigarette smoke-induced oxidative stress by a new MnII-containing polyamine-polycarboxylate scavenger of superoxide anion. <i>Vascular Pharmacology</i> , 2015, 75, 19-28.	1.0	8
79	Oxidative stress and inflammation: new molecular targets for cardiovascular diseases. <i>Internal and Emergency Medicine</i> , 2018, 13, 647-649.	1.0	8
80	On the Suitability of Low-Cost Compact Instrumentation for Blood Impedance Measurements. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019, 68, 2412-2424.	2.4	8
81	Au ₂ phen and Au ₂ oxo ₆ , Two Dinuclear Oxo-Bridged Gold(III) Compounds, Induce Apoptotic Signaling in Human Ovarian A2780 Cancer Cells. <i>Biomedicines</i> , 2021, 9, 871.	1.4	8
82	An Insight into Giant Cell Arteritis Pathogenesis: Evidence for Oxidative Stress and SIRT1 Downregulation. <i>Antioxidants</i> , 2021, 10, 885.	2.2	7
83	Fibrinolytic inhibitors and fibrin characteristics determine a hypofibrinolytic state in patients with pulmonary embolism. <i>Thrombosis and Haemostasis</i> , 2013, 109, 565-567.	1.8	6
84	Systemic oxidative stress in congenital central hypoventilation syndrome. <i>European Respiratory Journal</i> , 2018, 52, 1801497.	3.1	6
85	Secukinumab reduces plasma oxidative stress in psoriasis: A case-based experience. <i>Dermatologic Therapy</i> , 2018, 31, e12675.	0.8	6
86	Protective ventilation with low fraction of inspired oxygen and radicals of oxygen production during general anaesthesia. <i>British Journal of Anaesthesia</i> , 2015, 115, 143-144.	1.5	5
87	Benzo[a]pyrene impairs the migratory pattern of human gonadotropin-releasing-hormone-secreting neuroblasts. <i>European Journal of Histochemistry</i> , 2021, 65, .	0.6	5
88	Perioperative Levels of Adiponectin and Oxidative Stress in Patients Undergoing Laparoscopic Abdominal Surgery for Cancer. <i>Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry</i> , 2018, 16, 168-174.	1.1	4
89	Rapid communication: a vegetable oil extract restores redox status in fibroblasts from psoriatic patients. <i>Journal of Biological Regulators and Homeostatic Agents</i> , 2016, 30, 129-31.	0.7	4
90	The Protection of Zinc against Acute Cadmium Exposure: A Morphological and Molecular Study on a BBB In Vitro Model. <i>Cells</i> , 2022, 11, 1646.	1.8	4

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91	Commentary to the review article: Subedi S, Yu Q, Chen Z, Shi Y. Management of pediatric psoriasis with acitretin: A review. <i>Dermatol Ther.</i> 2018 Jan;31(1). <i>Dermatologic Therapy</i> , 2018, 31, e12700.	0.8	3
92	A Compact System for Blood Impedance Measurements for ROS Evaluation. , 2018, , .		2
93	Circulating dendritic cell subsets in psoriatic patients before and after biologic therapy. <i>Journal of Dermatology</i> , 2012, 39, 274-274.	0.6	1
94	Consumption of Buckwheat Products and Cardiovascular Risk Profile: A Randomized, Single-Blinded Crossover Trial. <i>Journal of Nutrition & Food Sciences</i> , 2016, 06, .	1.0	1
95	Relation between postâ€myocardial infarct remodelling and gelatinase activity in patients enrolled in the TIPTOP trial. <i>European Journal of Heart Failure</i> , 2019, 21, 127-129.	2.9	1
96	The ST segment depression pattern in asymptomatic peri-menopausal female athletes. <i>Heliyon</i> , 2020, 6, e04738.	1.4	1
97	Antioxidant support to ameliorate the oxaliplatin-dependent microglial alteration: morphological and molecular study. <i>European Journal of Histochemistry</i> , 2021, 65, .	0.6	1
98	Editorial: New Insights Into Oxidative Stress and Inflammation in the Pathophysiology and Treatment of Cardiovascular Diseases. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	1
99	Antioxidant Capacity Evaluation In Different Extravirgin Olive Oils. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 793.	0.2	0
100	Ultrasonographic steatosis evaluation and cardio-metabolic risk profile in healthy subjects. <i>Atherosclerosis</i> , 2014, 235, e194.	0.4	0
101	Ultrasonographic abdominal fat assessment in cardiometabolic risk evaluation of healthy subjects. <i>Atherosclerosis</i> , 2014, 235, e194.	0.4	0
102	Abdominal fat deposits in non-obese subjects: Ultrasound evaluation and relations with metabolic profile. <i>Atherosclerosis</i> , 2015, 241, e170.	0.4	0
103	Oxidative stress management during non-invasive ventilation in acute respiratory failure. <i>Internal and Emergency Medicine</i> , 2018, 13, 141-142.	1.0	0
104	Hazelnut-enriched chocolate improves flow-mediated artery dilatation via inhibition of oxidative stress. <i>Internal and Emergency Medicine</i> , 2018, 13, 1175-1177.	1.0	0
105	P-02-67 Redox Status Assessment in Infertile Patients With Non-Obstructive Azoospermia Undergoing Testicular Sperm Extraction: A Prospective Study. <i>Journal of Sexual Medicine</i> , 2020, 17, S193.	0.3	0
106	Food Allergen-IgE Impedance Measurements Evaluation in Allergic Children. <i>Lecture Notes in Electrical Engineering</i> , 2018, , 91-97.	0.3	0
107	Oxidative Stress as a Thrombophilic Factor in BehÃset Syndrome. , 2020, , 201-208.		0
108	Editorial: Molecular Targeted Therapy in Oncology: Lessons From Pharmacogenetics and Pharmacoepigenetics. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 822188.	1.6	0

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109	NADPH oxidase may be the key-player in skin response to the dietary factors: fibroblasts-keratinocytes co-culture studies. Free Radical Biology and Medicine, 2021, 177, S133.	1.3	0