

# Matthieu Roustit

## List of Publications by Year in descending order

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95  
papers

3,290  
citations

230014

27  
h-index

190340

53  
g-index

96  
all docs

96  
docs citations

96  
times ranked

4113  
citing authors

#	ARTICLE	IF	CITATIONS
1	Noninvasive Assessment of Skin Microvascular Function in Humans: An Insight Into Methods. <i>Microcirculation</i> , 2012, 19, 47-64.	1.0	275
2	Assessment of endothelial and neurovascular function in human skin microcirculation. <i>Trends in Pharmacological Sciences</i> , 2013, 34, 373-384.	4.0	270
3	Excellent reproducibility of laser speckle contrast imaging to assess skin microvascular reactivity. <i>Microvascular Research</i> , 2010, 80, 505-511.	1.1	239
4	Reproducibility and methodological issues of skin post-occlusive and thermal hyperemia assessed by single-point laser Doppler flowmetry. <i>Microvascular Research</i> , 2010, 79, 102-108.	1.1	169
5	Phosphodiesterase-5 inhibitors for the treatment of secondary Raynaud's phenomenon: systematic review and meta-analysis of randomised trials. <i>Annals of the Rheumatic Diseases</i> , 2013, 72, 1696-1699.	0.5	148
6	Automated drug dispensing system reduces medication errors in an intensive care setting. <i>Critical Care Medicine</i> , 2010, 38, 2275-2281.	0.4	115
7	Association of Facial Paralysis With mRNA COVID-19 Vaccines. <i>JAMA Internal Medicine</i> , 2021, 181, 1243.	2.6	88
8	Comparison between laser speckle contrast imaging and laser Doppler imaging to assess skin blood flow in humans. <i>Microvascular Research</i> , 2011, 82, 147-151.	1.1	86
9	Current Methods to Assess Human Cutaneous Blood Flow: An Updated Focus on Laser-Based Techniques. <i>Microcirculation</i> , 2016, 23, 337-344.	1.0	85
10	Trials and tribulations of skin iontophoresis in therapeutics. <i>British Journal of Clinical Pharmacology</i> , 2014, 77, 63-71.	1.1	81
11	SGLT2 inhibitors and the risk of lower-limb amputation: Is this a class effect?. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 1531-1534.	2.2	75
12	Integrated Skin Transcriptomics and Serum Multiplex Assays Reveal Novel Mechanisms of Wound Healing in Diabetic Foot Ulcers. <i>Diabetes</i> , 2020, 69, 2157-2169.	0.3	68
13	Skin microvascular endothelial function as a biomarker in cardiovascular diseases?. <i>Pharmacological Reports</i> , 2015, 67, 803-810.	1.5	65
14	Human Skin Microcirculation. , 2020, 10, 1105-1154.		61
15	Endothelial Dysfunction as a Link Between Cardiovascular Risk Factors and Peripheral Neuropathy in Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 3401-3408.	1.8	60
16	Drug-induced Raynaud's phenomenon: beyond $\alpha_1$ -adrenoceptor blockers. <i>British Journal of Clinical Pharmacology</i> , 2016, 82, 6-16.	1.1	55
17	Involvement of cytochrome epoxygenase metabolites in cutaneous postocclusive hyperemia in humans. <i>Journal of Applied Physiology</i> , 2013, 114, 245-251.	1.2	51
18	Influence of Intention to Adhere, Beliefs and Satisfaction About Medicines on Adherence in Solid Organ Transplant Recipients. <i>Transplantation</i> , 2014, 98, 222-228.	0.5	51

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19	Discrepancy between simultaneous digital skin microvascular and brachial artery macrovascular post-occlusive hyperemia in systemic sclerosis. <i>Journal of Rheumatology</i> , 2008, 35, 1576-83.	1.0	51
20	Conversion to mammalian target of rapamycin inhibitors increases risk of <i>de novo</i> donor-specific antibodies. <i>Transplant International</i> , 2014, 27, 775-783.	0.8	48
21	Targeting the Prostacyclin Pathway: Beyond Pulmonary Arterial Hypertension. <i>Trends in Pharmacological Sciences</i> , 2017, 38, 512-523.	4.0	47
22	Why Do Patients with Chronic Inflammatory Rheumatic Diseases Discontinue Their Biologics? An Assessment of Patients' Adherence Using a Self-report Questionnaire. <i>Journal of Rheumatology</i> , 2016, 43, 724-730.	1.0	46
23	Adverse drug reaction risks obtained from meta-analyses and pharmacovigilance disproportionality analyses are correlated in most cases. <i>Journal of Clinical Epidemiology</i> , 2021, 134, 14-21.	2.4	42
24	Comparison between Two Generic Questionnaires to Assess Satisfaction with Medication in Chronic Diseases. <i>PLoS ONE</i> , 2013, 8, e56247.	1.1	39
25	Hierarchical evaluation of electrical stimulation protocols for chronic wound healing: An effect size meta-analysis. <i>Wound Repair and Regeneration</i> , 2017, 25, 883-891.	1.5	37
26	Pulmonary arterial hypertension associated with protein kinase inhibitors: a pharmacovigilance pharmacodynamic study. <i>European Respiratory Journal</i> , 2019, 53, 1802472.	3.1	37
27	Skin microdialysis coupled with Laser Speckle Contrast Imaging to assess microvascular reactivity. <i>Microvascular Research</i> , 2011, 82, 333-338.	1.1	31
28	Effect of Linagliptin on Vascular Function: A Randomized, Placebo-controlled Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 4205-4213.	1.8	31
29	Diabetic Peripheral Neuropathy as a Predictor of Asymptomatic Myocardial Ischemia in Type 2 Diabetes Mellitus: A Cross-Sectional Study. <i>Advances in Therapy</i> , 2016, 33, 1840-1847.	1.3	27
30	Reproducibility of a local cooling test to assess microvascular function in human skin. <i>Microvascular Research</i> , 2010, 79, 34-39.	1.1	26
31	Sildenafil Increases Digital Skin Blood Flow During All Phases of Local Cooling in Primary Raynaud's Phenomenon. <i>Clinical Pharmacology and Therapeutics</i> , 2012, 91, 813-819.	2.3	26
32	On-Demand Sildenafil as a Treatment for Raynaud Phenomenon. <i>Annals of Internal Medicine</i> , 2018, 169, 694.	2.0	26
33	Induction of erythroferrone in healthy humans by micro-dose recombinant erythropoietin or high-altitude exposure. <i>Haematologica</i> , 2021, 106, 384-390.	1.7	26
34	Symptomatic Hypoglycemia Associated with Trimethoprim/Sulfamethoxazole and Repaglinide in a Diabetic Patient. <i>Annals of Pharmacotherapy</i> , 2010, 44, 764-767.	0.9	25
35	Impaired transient vasodilation and increased vasoconstriction to digital local cooling in primary Raynaud's phenomenon. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H324-H330.	1.5	24
36	Assessing cutaneous microvascular function with iontophoresis: Avoiding non-specific vasodilation. <i>Microvascular Research</i> , 2017, 113, 29-39.	1.1	23

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37	Oral sildenafil increases skin hyperaemia induced by iontophoresis of sodium nitroprusside in healthy volunteers. <i>British Journal of Pharmacology</i> , 2010, 160, 1128-1134.	2.7	22
38	Cutaneous Iontophoresis of Treprostinil in Systemic Sclerosis: A Proof-of-Concept Study. <i>Clinical Pharmacology and Therapeutics</i> , 2014, 95, 439-445.	2.3	22
39	Assessment of skin blood flow following spinal manual therapy: A systematic review. <i>Manual Therapy</i> , 2015, 20, 228-249.	1.6	22
40	Artificial sweeteners impair endothelial vascular reactivity: Preliminary results in rodents. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2020, 30, 843-846.	1.1	21
41	Evaluation of glycopeptide prescription and therapeutic drug monitoring at a university hospital. <i>Scandinavian Journal of Infectious Diseases</i> , 2010, 42, 177-184.	1.5	20
42	Correlation of Biomarkers of Endothelium Dysfunction and Matrix Remodeling in Patients with Systemic Sclerosis. <i>Journal of Rheumatology</i> , 2009, 36, 984-988.	1.0	19
43	Peripheral vasoconstriction induced by $\beta_2$ -adrenoceptor blockers: a systematic review and a network meta-analysis. <i>British Journal of Clinical Pharmacology</i> , 2016, 82, 549-560.	1.1	19
44	Reported Adverse Drug Reactions Associated With the Use of Hydroxychloroquine and Chloroquine During the COVID-19 Pandemic. <i>Annals of Internal Medicine</i> , 2021, 174, 878-880.	2.0	19
45	Leveraging the Variability of Pharmacovigilance Disproportionality Analyses to Improve Signal Detection Performances. <i>Frontiers in Pharmacology</i> , 2021, 12, 668765.	1.6	19
46	High prevalence of spin was found in pharmacovigilance studies using disproportionality analyses to detect safety signals: a meta-epidemiological study. <i>Journal of Clinical Epidemiology</i> , 2021, 138, 73-79.	2.4	19
47	Reproducibility of flow mediated skin fluorescence to assess microvascular function. <i>Microvascular Research</i> , 2017, 113, 60-64.	1.1	18
48	Comparative Safety of Drugs Targeting the Nitric Oxide Pathway in Pulmonary Hypertension. <i>Chest</i> , 2018, 154, 136-147.	0.4	18
49	Comparative efficacy and safety of treatments for secondary Raynaud's phenomenon: a systematic review and network meta-analysis of randomised trials. <i>Lancet Rheumatology</i> , The, 2019, 1, e237-e246.	2.2	18
50	Cathodal iontophoresis of treprostinil and iloprost induces a sustained increase in cutaneous flux in rats. <i>British Journal of Pharmacology</i> , 2011, 162, 557-565.	2.7	17
51	Abnormal amplitude and kinetics of digital postocclusive reactive hyperemia in systemic sclerosis. <i>Microvascular Research</i> , 2014, 94, 90-95.	1.1	17
52	Cutaneous iontophoresis of treprostinil, a prostacyclin analog, increases microvascular blood flux in diabetic malleolus area. <i>European Journal of Pharmacology</i> , 2015, 758, 123-128.	1.7	17
53	Optimization of voriconazole therapy for treatment of invasive aspergillosis: Pharmacogenomics and inflammatory status need to be evaluated. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 2534-2541.	1.1	17
54	Sodium nitroprusside iontophoresis on the finger pad does not consistently increase skin blood flow in healthy controls and patients with systemic sclerosis. <i>Microvascular Research</i> , 2009, 77, 260-264.	1.1	16

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55	Aging is associated with a diminished axon reflex response to local heating on the gaiter skin area. <i>Microvascular Research</i> , 2012, 84, 356-361.	1.1	16
56	Cathodal Iontophoresis of Treprostinil Induces a Sustained Increase in Cutaneous Blood Flux in Healthy Volunteers. <i>Journal of Clinical Pharmacology</i> , 2013, 53, 58-66.	1.0	16
57	The continuums of impairment in vascular reactivity across the spectrum of cardiometabolic health: A systematic review and network meta-analysis. <i>Obesity Reviews</i> , 2019, 20, 906-920.	3.1	16
58	A meta-epidemiological study found lack of transparency and poor reporting of disproportionality analyses for signal detection in pharmacovigilance databases. <i>Journal of Clinical Epidemiology</i> , 2021, 139, 191-198.	2.4	16
59	Prostanoids are not involved in postocclusive reactive hyperaemia in human skin. <i>Fundamental and Clinical Pharmacology</i> , 2015, 29, 510-516.	1.0	15
60	Treatment by Posaconazole Tablets, Compared to Posaconazole Suspension, Does Not Reduce Variability of Posaconazole Trough Concentrations. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	15
61	From single-arm studies to externally controlled studies. Methodological considerations and guidelines. <i>Therapie</i> , 2020, 75, 21-27.	0.6	14
62	CYP2C9, SLCO1B1, SLCO1B3, and ABCB11 Polymorphisms in Patients With Bosentan-Induced Liver Toxicity. <i>Clinical Pharmacology and Therapeutics</i> , 2014, 95, 583-585.	2.3	13
63	Effect of continuous vs pulsed iontophoresis of treprostinil on skin blood flow. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 72, 21-26.	1.9	13
64	Treprostinil Hydrogel Iontophoresis in Systemic Sclerosis-Related Digital Skin Ulcers: A Safety Study. <i>Journal of Clinical Pharmacology</i> , 2020, 60, 758-767.	1.0	13
65	Effects of pressure applied during standardized spinal mobilizations on peripheral skin blood flow: A randomised cross-over study. <i>Manual Therapy</i> , 2016, 21, 220-226.	1.6	10
66	Development of a pharmacist collaborative care program for pulmonary arterial hypertension. <i>International Journal of Clinical Pharmacy</i> , 2011, 33, 898-901.	1.0	9
67	The digital thermal hyperemia pattern is associated with the onset of digital ulcerations in systemic sclerosis during 3years of follow-up. <i>Microvascular Research</i> , 2014, 94, 119-122.	1.1	9
68	Treprostinil Iontophoresis Improves Digital Blood Flow during Local Cooling in Systemic Sclerosis. <i>Microcirculation</i> , 2016, 23, 266-270.	1.0	9
69	Drug repurposing in Raynaud's phenomenon through adverse event signature matching in the World Health Organization pharmacovigilance database. <i>British Journal of Clinical Pharmacology</i> , 2020, 86, 2217-2222.	1.1	9
70	Fluoxetine and Raynaud's phenomenon: friend or foe?. <i>British Journal of Clinical Pharmacology</i> , 2017, 83, 2307-2309.	1.1	7
71	Safety Profile of Sclerosing Agents. <i>Dermatologic Surgery</i> , 2019, 45, 1517-1528.	0.4	7
72	Identifying new drugs associated with pulmonary arterial hypertension: A WHO pharmacovigilance database disproportionality analysis. <i>British Journal of Clinical Pharmacology</i> , 2022, 88, 5227-5237.	1.1	7

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73	Local Thermal Hyperemia as a Tool to Investigate Human Skin Microcirculation. <i>Microcirculation</i> , 2010, 17, 79-80.	1.0	6
74	Adverse event reporting and Bell's palsy risk after COVID-19 vaccination. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 1490-1491.	4.6	6
75	Pharmacology of the human skin microcirculation. <i>Microvascular Research</i> , 2010, 80, 1.	1.1	5
76	Iontophoresis of Endothelin Receptor Antagonists in Rats and Men. <i>PLoS ONE</i> , 2012, 7, e40792.	1.1	5
77	Anodal Iontophoresis of a Soluble Guanylate Cyclase Stimulator Induces a Sustained Increase in Skin Blood Flow in Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013, 346, 424-431.	1.3	5
78	Microvascular Changes in the Diabetic Foot. <i>Contemporary Diabetes</i> , 2018, , 173-188.	0.0	5
79	Drug-induced skin ulcers: A disproportionality analysis from the WHO pharmacovigilance database. <i>Journal of the American Academy of Dermatology</i> , 2021, 85, 229-232.	0.6	5
80	Investigating the association between ALK Receptor Tyrosine Kinase inhibitors and pulmonary arterial hypertension: a disproportionality analysis from the WHO pharmacovigilance database. <i>European Respiratory Journal</i> , 2021, 58, 2101576.	3.1	5
81	Reproducibility of high-resolution laser speckle contrast imaging to assess cutaneous microcirculation for wound healing monitoring in mice. <i>Microvascular Research</i> , 2022, 141, 104319.	1.1	5
82	Impact of the acute local inhibition of soluble epoxide hydrolase on diabetic skin microcirculatory dysfunction. <i>Diabetes and Vascular Disease Research</i> , 2019, 16, 523-529.	0.9	4
83	Peer-driven intervention to help patients resume CPAP therapy following discontinuation: a multicentre, randomised clinical trial with patient involvement. <i>BMJ Open</i> , 2021, 11, e053996.	0.8	4
84	Evaluation of a collaborative care program for pulmonary hypertension patients: a multicenter randomized trial. <i>International Journal of Clinical Pharmacy</i> , 2020, 42, 1128-1138.	1.0	4
85	Amiloride treatment and increased risk of pressure ulcers in hospitalized patients. <i>British Journal of Clinical Pharmacology</i> , 2016, 82, 1685-1687.	1.1	3
86	Externally Controlled Trials: Are We There Yet?. <i>Clinical Pharmacology and Therapeutics</i> , 2020, 108, 918-919.	2.3	3
87	Effect of Oral Sildenafil on Skin Postocclusive Reactive Hyperemia in Healthy Volunteers. <i>Microcirculation</i> , 2011, 18, 448-451.	1.0	2
88	Reproducibility of LDF blood flow measurements: Dynamical characterization versus averaging. A response to the letter from Stefanovska. <i>Microvascular Research</i> , 2012, 83, 97.	1.1	2
89	Vascular Effects of Treprostinil Cutaneous Iontophoresis on the Leg, Finger, and Foot. <i>Journal of Clinical Pharmacology</i> , 2017, 57, 1215-1220.	1.0	2
90	Proton pump inhibitors and Raynaud's phenomenon: is there a link?. <i>British Journal of Clinical Pharmacology</i> , 2018, 84, 2443-2444.	1.1	2

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91	Caution in Interpreting Facial Paralysis Data to Understand COVID-19 Vaccination Risksâ€”Reply. JAMA Internal Medicine, 2021, 181, 1420-1421.	2.6	1
92	Impact of global warming on Raynaudâ€™s phenomenon: a modelling study. F1000Research, 2020, 9, 829.	0.8	1
93	Iontophoresis of treprostinil promotes wound healing in a murine model of scleroderma-related ulcers. Rheumatology, 2021, , .	0.9	1
94	Response to SzolcsÃ¡nyi. Trends in Pharmacological Sciences, 2013, 34, 593-594.	4.0	0
95	Vascular Dysfunction, Inflammation, and Exercise in Diabetes. Contemporary Diabetes, 2018, , 137-150.	0.0	0