

Jan Martel

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.

55
papers

2,720
citations

28
h-index

52
g-index

59
ext. papers

3,455
ext. citations

7.2
avg. IF

5.21
L-index

#	Paper	IF	Citations
55	Ganoderma lucidum reduces obesity in mice by modulating the composition of the gut microbiota. <i>Nature Communications</i> , 2015 , 6, 7489	17.4	620
54	Gut commensal plays a predominant role in the anti-obesity effects of polysaccharides isolated from. <i>Gut</i> , 2019 , 68, 248-262	19.2	272
53	Anti-obesogenic and antidiabetic effects of plants and mushrooms. <i>Nature Reviews Endocrinology</i> , 2017 , 13, 149-160	15.2	152
52	Purported nanobacteria in human blood as calcium carbonate nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 5549-54	11.5	113
51	Effects of obesity on depression: A role for inflammation and the gut microbiota. <i>Brain, Behavior, and Immunity</i> , 2018 , 69, 1-8	16.6	89
50	Impact of the gut microbiota, prebiotics, and probiotics on human health and disease. <i>Biomedical Journal</i> , 2014 , 37, 259-68	7.1	81
49	Putative nanobacteria represent physiological remnants and culture by-products of normal calcium homeostasis. <i>PLoS ONE</i> , 2009 , 4, e4417	3.7	79
48	Hormetic Effects of Phytochemicals on Health and Longevity. <i>Trends in Endocrinology and Metabolism</i> , 2019 , 30, 335-346	8.8	69
47	Characterization of granulations of calcium and apatite in serum as pleomorphic mineralo-protein complexes and as precursors of putative nanobacteria. <i>PLoS ONE</i> , 2009 , 4, e5421	3.7	69
46	NK cells kill mycobacteria directly by releasing perforin and granulysin. <i>Journal of Leukocyte Biology</i> , 2014 , 96, 1119-29	6.5	64
45	Comprehensive proteomic analysis of mineral nanoparticles derived from human body fluids and analyzed by liquid chromatography-tandem mass spectrometry. <i>Analytical Biochemistry</i> , 2011 , 418, 111-25	3.1	62
44	Fetuin-A/albumin-mineral complexes resembling serum calcium granules and putative nanobacteria: demonstration of a dual inhibition-seeding concept. <i>PLoS ONE</i> , 2009 , 4, e8058	3.7	59
43	Identification of CD24 as a cancer stem cell marker in human nasopharyngeal carcinoma. <i>PLoS ONE</i> , 2014 , 9, e99412	3.7	43
42	Physicochemical and biological properties of biomimetic mineralo-protein nanoparticles formed spontaneously in biological fluids. <i>Small</i> , 2013 , 9, 2297-307	11	41
41	Antiaging effects of bioactive molecules isolated from plants and fungi. <i>Medicinal Research Reviews</i> , 2019 , 39, 1515-1552	14.4	40
40	The rise and fall of nanobacteria. <i>Scientific American</i> , 2010 , 302, 52-9	0.5	39
39	Immunomodulatory Properties of Plants and Mushrooms. <i>Trends in Pharmacological Sciences</i> , 2017 , 38, 967-981	13.2	36

38	cis-Resveratrol produces anti-inflammatory effects by inhibiting canonical and non-canonical inflammasomes in macrophages. <i>Innate Immunity</i> , 2014 , 20, 735-50	2.7	36
37	Mineral particles stimulate innate immunity through neutrophil extracellular traps containing HMGB1. <i>Scientific Reports</i> , 2017 , 7, 16628	4.9	34
36	Critical evaluation of gamma-irradiated serum used as feeder in the culture and demonstration of putative nanobacteria and calcifying nanoparticles. <i>PLoS ONE</i> , 2010 , 5, e10343	3.7	34
35	Bions: a family of biomimetic mineralo-organic complexes derived from biological fluids. <i>PLoS ONE</i> , 2013 , 8, e75501	3.7	34
34	Hirsutella sinensis mycelium suppresses interleukin-1 β and interleukin-18 secretion by inhibiting both canonical and non-canonical inflammasomes. <i>Scientific Reports</i> , 2013 , 3, 1374	4.9	33
33	Hirsutella sinensis mycelium attenuates bleomycin-induced pulmonary inflammation and fibrosis in vivo. <i>Scientific Reports</i> , 2015 , 5, 15282	4.9	32
32	Serum-derived nanoparticles: de novo generation and growth in vitro, and internalization by mammalian cells in culture. <i>Nanomedicine</i> , 2011 , 6, 643-58	5.6	32
31	Biomimetic Properties of Minerals and the Search for Life in the Martian Meteorite ALH84001. <i>Annual Review of Earth and Planetary Sciences</i> , 2012 , 40, 167-193	15.3	32
30	The medicinal fungus <i>Antrodia cinnamomea</i> suppresses inflammation by inhibiting the NLRP3 inflammasome. <i>Journal of Ethnopharmacology</i> , 2014 , 155, 154-64	5	30
29	Is the inflammasome relevant for epithelial cell function?. <i>Microbes and Infection</i> , 2016 , 18, 93-101	9.3	29
28	Phytochemicals as Prebiotics and Biological Stress Inducers. <i>Trends in Biochemical Sciences</i> , 2020 , 45, 462-471	10.3	27
27	Of nanobacteria, nanoparticles, biofilms and their role in health and disease: facts, fancy and future. <i>Nanomedicine</i> , 2014 , 9, 483-99	5.6	27
26	Detection and characterization of mineralo-organic nanoparticles in human kidneys. <i>Scientific Reports</i> , 2015 , 5, 15272	4.9	27
25	Immunomodulatory properties of medicinal mushrooms: differential effects of water and ethanol extracts on NK cell-mediated cytotoxicity. <i>Innate Immunity</i> , 2016 , 22, 522-33	2.7	27
24	Fatty acids and small organic compounds bind to mineralo-organic nanoparticles derived from human body fluids as revealed by metabolomic analysis. <i>Nanoscale</i> , 2016 , 8, 5537-45	7.7	26
23	Membrane vesicles nucleate mineralo-organic nanoparticles and induce carbonate apatite precipitation in human body fluids. <i>Journal of Biological Chemistry</i> , 2013 , 288, 30571-30584	5.4	26
22	<i>Ganoderma lucidum</i> stimulates NK cell cytotoxicity by inducing NKG2D/NCR activation and secretion of perforin and granulysin. <i>Innate Immunity</i> , 2014 , 20, 301-11	2.7	23
21	Emerging use of senolytics and senomorphics against aging and chronic diseases. <i>Medicinal Research Reviews</i> , 2020 , 40, 2114-2131	14.4	20

20	NK Cell-Derived IFN- γ Protects against Nontuberculous Mycobacterial Lung Infection. <i>Journal of Immunology</i> , 2018 , 201, 1478-1490	5.3	18
19	An iron detection system determines bacterial swarming initiation and biofilm formation. <i>Scientific Reports</i> , 2016 , 6, 36747	4.9	18
18	A story told by a single nanoparticle in the body fluid: demonstration of dissolution-reprecipitation of nanocrystals in a biological system. <i>Nanomedicine</i> , 2015 , 10, 2659-76	5.6	17
17	Myths and Realities Surrounding the Mysterious Caterpillar Fungus. <i>Trends in Biotechnology</i> , 2017 , 35, 1017-1021	15.1	15
16	<i>Antrodia cinnamomea</i> induces anti-tumor activity by inhibiting the STAT3 signaling pathway in lung cancer cells. <i>Scientific Reports</i> , 2019 , 9, 5145	4.9	14
15	<i>Antrodia cinnamomea</i> produces anti-angiogenic effects by inhibiting the VEGFR2 signaling pathway. <i>Journal of Ethnopharmacology</i> , 2018 , 220, 239-249	5	14
14	Nanoparticle conversion to biofilms: in vitro demonstration using serum-derived mineralo-organic nanoparticles. <i>Nanomedicine</i> , 2015 , 10, 3519-35	5.6	14
13	Gut barrier disruption and chronic disease.. <i>Trends in Endocrinology and Metabolism</i> , 2022 ,	8.8	12
12	Recent advances in the field of caloric restriction mimetics and anti-aging molecules. <i>Ageing Research Reviews</i> , 2021 , 66, 101240	12	12
11	Isolation, Culture and Characterization of <i>Hirsutella sinensis</i> Mycelium from Caterpillar Fungus Fruiting Body. <i>PLoS ONE</i> , 2017 , 12, e0168734	3.7	11
10	Translocation of mineralo-organic nanoparticles from blood to urine: a new mechanism for the formation of kidney stones?. <i>Nanomedicine</i> , 2016 , 11, 2399-404	5.6	11
9	Formation and characteristics of biomimetic mineralo-organic particles in natural surface water. <i>Scientific Reports</i> , 2016 , 6, 28817	4.9	10
8	Pleomorphic bacteria-like structures in human blood represent non-living membrane vesicles and protein particles. <i>Scientific Reports</i> , 2017 , 7, 10650	4.9	8
7	Mineralo-organic nanoparticles in health and disease: an overview of recent findings. <i>Nanomedicine</i> , 2018 , 13, 1787-1793	5.6	8
6	Plant and fungal products that extend lifespan in. <i>Microbial Cell</i> , 2020 , 7, 255-269	3.9	7
5	Comprehensive organic profiling of biological particles derived from blood. <i>Scientific Reports</i> , 2018 , 8, 11310	4.9	6
4	Pinicolol B from <i>Antrodia cinnamomea</i> induces apoptosis of nasopharyngeal carcinoma cells. <i>Journal of Ethnopharmacology</i> , 2017 , 201, 117-122	5	5
3	Alternative functions for the multifarious inflammasome. <i>Biomedical Journal</i> , 2016 , 39, 183-7	7.1	4

- 2 Ectopic calcification and formation of mineralo-organic particles in arteries of diabetic subjects. *Scientific Reports*, **2020**, 10, 8545 4.9 2
- 1 stimulates autophagy-dependent longevity pathways in and human cells. *Aging*, **2021**, 13, 13474-13495 5.6 1