

# Yohann Wittrant

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

3,156  
citations

430442

18  
h-index

360668

35  
g-index

35  
all docs

35  
docs citations

35  
times ranked

5512  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prebiotic effects: metabolic and health benefits. <i>British Journal of Nutrition</i> , 2010, 104, S1-S63.	1.2	1,745
2	Oxidative stress in bone remodelling and disease. <i>Trends in Molecular Medicine</i> , 2009, 15, 468-477.	3.5	379
3	Muscle and bone, two interconnected tissues. <i>Ageing Research Reviews</i> , 2015, 21, 55-70.	5.0	277
4	The Free Fatty Acid Receptor G Protein-coupled Receptor 40 (GPR40) Protects from Bone Loss through Inhibition of Osteoclast Differentiation*. <i>Journal of Biological Chemistry</i> , 2013, 288, 6542-6551.	1.6	76
5	The Polyphenol Fisetin Protects Bone by Repressing NF- $\kappa$ B and MKP-1-Dependent Signaling Pathways in Osteoclasts. <i>PLoS ONE</i> , 2013, 8, e68388.	1.1	58
6	Pomegranate and its derivatives can improve bone health through decreased inflammation and oxidative stress in an animal model of postmenopausal osteoporosis. <i>European Journal of Nutrition</i> , 2014, 53, 1155-1164.	1.8	49
7	Pomegranate seed oil prevents bone loss in a mice model of osteoporosis, through osteoblastic stimulation, osteoclastic inhibition and decreased inflammatory status. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 1840-1848.	1.9	45
8	Pomegranate Peel Extract Prevents Bone Loss in a Preclinical Model of Osteoporosis and Stimulates Osteoblastic Differentiation in Vitro. <i>Nutrients</i> , 2015, 7, 9265-9284.	1.7	44
9	Biological Effect of Hydrolyzed Collagen on Bone Metabolism. <i>Critical Reviews in Food Science and Nutrition</i> , 2017, 57, 00-00.	5.4	43
10	The flavonoid fisetin promotes osteoblasts differentiation through Runx2 transcriptional activity. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 1239-1248.	1.5	37
11	Olive and grape seed extract prevents post-traumatic osteoarthritis damages and exhibits in vitro anti IL-1 $\beta$ activities before and after oral consumption. <i>Scientific Reports</i> , 2016, 6, 33527.	1.6	35
12	Optimized Bioactive Glass: the Quest for the Bony Graft. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801542.	3.9	35
13	Pros and cons of fatty acids in bone biology. <i>Progress in Lipid Research</i> , 2015, 58, 121-145.	5.3	34
14	Polycaprolactone / bioactive glass hybrid scaffolds for bone regeneration. <i>Biomedical Glasses</i> , 2018, 4, 108-122.	2.4	27
15	Borage and fish oils lifelong supplementation decreases inflammation and improves bone health in a murine model of senile osteoporosis. <i>Bone</i> , 2012, 50, 553-561.	1.4	26
16	Mechanism of Calcium Incorporation Inside Sol-gel Silicate Bioactive Glass and the Advantage of Using Ca(OH) <sub>2</sub> over Other Calcium Sources. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 5906-5915.	2.6	25
17	Human Enriched Serum Following Hydrolysed Collagen Absorption Modulates Bone Cell Activity: from Bedside to Bench and Vice Versa. <i>Nutrients</i> , 2019, 11, 1249.	1.7	19
18	Olive Oil and Vitamin D Synergistically Prevent Bone Loss in Mice. <i>PLoS ONE</i> , 2014, 9, e115817.	1.1	18

#	ARTICLE	IF	CITATIONS
19	Bioactive Glass/Polycaprolactone Hybrid with a Dual Cortical/Trabecular Structure for Bone Regeneration. <i>ACS Applied Bio Materials</i> , 2019, 2, 3473-3483.	2.3	18
20	GW9508, a free fatty acid receptor agonist, specifically induces cell death in bone resorbing precursor cells through increased oxidative stress from mitochondrial origin. <i>Experimental Cell Research</i> , 2013, 319, 3035-3041.	1.2	16
21	Metabolic and Anti-Inflammatory Protective Properties of Human Enriched Serum Following Artichoke Leaf Extract Absorption: Results from an Innovative Ex Vivo Clinical Trial. <i>Nutrients</i> , 2021, 13, 2653.	1.7	15
22	Increased body fat mass and tissue lipotoxicity associated with ovariectomy or high-fat diet differentially affects bone and skeletal muscle metabolism in rats. <i>European Journal of Nutrition</i> , 2015, 54, 1139-1149.	1.8	14
23	Chondroprotective Properties of Human-Enriched Serum Following Polyphenol Extract Absorption: Results from an Exploratory Clinical Trial. <i>Nutrients</i> , 2019, 11, 3071.	1.7	14
24	Featured Article: Deficiency of G-protein coupled receptor 40, a lipid-activated receptor, heightens <i>in vitro</i> and <i>in vivo</i> induced murine osteoarthritis. <i>Experimental Biology and Medicine</i> , 2015, 240, 854-866.	1.1	13
25	The phenolic acids of Agen prunes (dried plums) or Agen prune juice concentrates do not account for the protective action on bone in a rat model of postmenopausal osteoporosis. <i>Nutrition Research</i> , 2016, 36, 161-173.	1.3	13
26	Non-targeted and targeted analysis of collagen hydrolysates during the course of digestion and absorption. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 973-982.	1.9	13
27	The effects of dietary fatty acids on bone, hematopoietic marrow and marrow adipose tissue in a murine model of senile osteoporosis. <i>Aging</i> , 2019, 11, 7938-7947.	1.4	13
28	Nutraceuticals in joint health: animal models as instrumental tools. <i>Drug Discovery Today</i> , 2014, 19, 1649-1658.	3.2	12
29	Circulating Human Serum Metabolites Derived from the Intake of a Saffron Extract (Safrâ€™Inside™) Protect Neurons from Oxidative Stress: Consideration for Depressive Disorders. <i>Nutrients</i> , 2022, 14, 1511.	1.7	12
30	GPR40, a free fatty acid receptor, differentially impacts osteoblast behavior depending on differentiation stage and environment. <i>Molecular and Cellular Biochemistry</i> , 2016, 412, 197-208.	1.4	9
31	GPR40 mediates potential positive effects of a saturated fatty acid enriched diet on bone. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600219.	1.5	9
32	Berries, their micronutrients and bone health. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2016, 19, 453-457.	1.3	5
33	Tailored therapeutic release from polycaprolactone-silica hybrids for the treatment of osteomyelitis: antibiotic rifampicin and osteogenic silicates. <i>Biomaterials Science</i> , 2022, 10, 1936-1951.	2.6	5
34	Targeting the gut to prevent and counteract metabolic disorders and pathologies during aging. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 11185-11210.	5.4	2
35	Osteogenic Effect of Fisetin Doping in Bioactive Glass/Poly(caprolactone) Hybrid Scaffolds. <i>ACS Omega</i> , 2022, 7, 22279-22290.	1.6	1