

# Ilya Raskin

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

2,655  
citations

304743

22  
h-index

223800

46  
g-index

51  
all docs

51  
docs citations

51  
times ranked

4121  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dietary Polyphenols Promote Growth of the Gut Bacterium <i>Akkermansia muciniphila</i> and Attenuate High-Fat Diet-Induced Metabolic Syndrome. <i>Diabetes</i> , 2015, 64, 2847-2858.	0.6	526
2	Revisiting the ancient concept of botanical therapeutics. <i>Nature Chemical Biology</i> , 2007, 3, 360-366.	8.0	307
3	Innovations in Health Value and Functional Food Development of Quinoa ( <i>Chenopodium quinoa</i> ) Tj ETQq1 1,0784314 rggBT /C 11.7 199	11.7	199
4	Stable, water extractable isothiocyanates from <i>Moringa oleifera</i> leaves attenuate inflammation in vitro. <i>Phytochemistry</i> , 2014, 103, 114-122.	2.9	151
5	Isothiocyanate-enriched <i>Moringa oleifera</i> extract reduces weight gain, insulin resistance, and hepatic gluconeogenesis in mice. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1013-1024.	3.3	124
6	Biochemical characterization and anti-inflammatory properties of an isothiocyanate-enriched moringa ( <i>Moringa oleifera</i> ) seed extract. <i>PLoS ONE</i> , 2017, 12, e0182658.	2.5	102
7	Direct and Indirect Antioxidant Activity of Polyphenol- and Isothiocyanate-Enriched Fractions from <i>Moringa oleifera</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 1505-1513.	5.2	101
8	Quinoa seeds leach phytoecdysteroids and other compounds with anti-diabetic properties. <i>Food Chemistry</i> , 2014, 163, 178-185.	8.2	92
9	Blueberry polyphenol-enriched soybean flour reduces hyperglycemia, body weight gain and serum cholesterol in mice. <i>Pharmacological Research</i> , 2013, 68, 59-67.	7.1	89
10	Can an Apple a Day Keep the Doctor Away?. <i>Current Pharmaceutical Design</i> , 2004, 10, 3419-3429.	1.9	83
11	Grape proanthocyanidin-induced intestinal bloom of <i>Akkermansia muciniphila</i> is dependent on its baseline abundance and precedes activation of host genes related to metabolic health. <i>Journal of Nutritional Biochemistry</i> , 2018, 56, 142-151.	4.2	72
12	A dietary isothiocyanate-enriched moringa ( <i>Moringa oleifera</i> ) seed extract improves glucose tolerance in a high-fat-diet mouse model and modulates the gut microbiome. <i>Journal of Functional Foods</i> , 2018, 47, 376-385.	3.4	62
13	Proanthocyanidin-Rich Grape Seed Extract Reduces Inflammation and Oxidative Stress and Restores Tight Junction Barrier Function in Caco-2 Colon Cells. <i>Nutrients</i> , 2020, 12, 1623.	4.1	62
14	In Vitro and in Vivo Anti-Inflammatory Activity of a Seed Preparation Containing Phenethylisothiocyanate. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 317, 326-333.	2.5	57
15	Polyphenol-rich Rutgers Scarlet Lettuce improves glucose metabolism and liver lipid accumulation in diet-induced obese C57BL/6 mice. <i>Nutrition</i> , 2014, 30, S52-S58.	2.4	56
16	Isothiocyanate-enriched moringa seed extract alleviates ulcerative colitis symptoms in mice. <i>PLoS ONE</i> , 2017, 12, e0184709.	2.5	53
17	Development and Phytochemical Characterization of High Polyphenol Red Lettuce with Anti-Diabetic Properties. <i>PLoS ONE</i> , 2014, 9, e91571.	2.5	43
18	<i>Moringa</i> Isothiocyanate Activates Nrf2: Potential Role in Diabetic Nephropathy. <i>AAPS Journal</i> , 2019, 21, 31.	4.4	39

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19	Grape polyphenols reduce gut-localized reactive oxygen species associated with the development of metabolic syndrome in mice. <i>PLoS ONE</i> , 2018, 13, e0198716.	2.5	35
20	Bioactive polyphenols in kinkāliba tea ( <i>Combretum micranthum</i> ) and their glucose-lowering activities. <i>Journal of Food and Drug Analysis</i> , 2018, 26, 487-496.	1.9	32
21	Phytoecdysteroids and flavonoid glycosides among Chilean and commercial sources of <i>Chenopodium quinoa</i> : variation and correlation to physicochemical characteristics. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 633-643.	3.5	31
22	Biochemical Analysis and in Vivo Hypoglycemic Activity of a Grape Polyphenol–Soybean Flour Complex. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 8860-8865.	5.2	30
23	High phenolics Rutgers Scarlet Lettuce improves glucose metabolism in high fat diet-induced obese mice. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 2367-2378.	3.3	23
24	Moringa isothiocyanate-1 regulates Nrf2 and NF- $\kappa$ B pathway in response to LPS-driven sepsis and inflammation. <i>PLoS ONE</i> , 2021, 16, e0248691.	2.5	23
25	Novel value-added uses for sweet potato juice and flour in polyphenol- and protein-enriched functional food ingredients. <i>Food Science and Nutrition</i> , 2015, 3, 415-424.	3.4	22
26	A rapid and efficient in vitro regeneration system for lettuce ( <i>Lactuca sativa</i> L.). <i>Plant Methods</i> , 2017, 13, 58.	4.3	21
27	CpG methyl-seq and RNA-seq epigenomic and transcriptomic studies on the preventive effects of Moringa isothiocyanate in mouse epidermal JB6 cells induced by the tumor promoter TPA. <i>Journal of Nutritional Biochemistry</i> , 2019, 68, 69-78.	4.2	20
28	Plant extracts from central Asia showing antiinflammatory activities in gene expression assays. <i>Phytotherapy Research</i> , 2008, 22, 929-934.	5.8	19
29	A 14-day repeated-dose oral toxicological evaluation of an isothiocyanate-enriched hydro-alcoholic extract from <i>Moringa oleifera</i> Lam. seeds in rats. <i>Toxicology Reports</i> , 2018, 5, 418-426.	3.3	19
30	Epigenome and transcriptome study of moringa isothiocyanate in mouse kidney mesangial cells induced by high glucose, a potential model for diabetic-induced nephropathy. <i>AAPS Journal</i> , 2020, 22, 8.	4.4	18
31	Distinct Fractions of an <i>Artemisia scoparia</i> Extract Contain Compounds With Novel Adipogenic Bioactivity. <i>Frontiers in Nutrition</i> , 2019, 6, 18.	3.7	16
32	Metabolomic differences between invasive alien plants from native and invaded habitats. <i>Scientific Reports</i> , 2020, 10, 9749.	3.3	16
33	Evaluating the effect of 20-hydroxyecdysone (20HE) on mechanistic target of rapamycin complex 1 (mTORC1) signaling in the skeletal muscle and liver of rats. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015, 40, 1324-1328.	1.9	15
34	Genetic and Phytochemical Characterization of Lettuce Flavonoid Biosynthesis Mutants. <i>Scientific Reports</i> , 2019, 9, 3305.	3.3	15
35	The DESIGNER Approach Helps Decipher the Hypoglycemic Bioactive Principles of <i>Artemisia dracunculus</i> (Russian Tarragon). <i>Journal of Natural Products</i> , 2019, 82, 3321-3329.	3.0	12
36	Physicochemical differences between malanga ( <i>Xanthosoma sagittifolium</i> ) and potato ( <i>Solanum</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Functional Foods, 2018, 45, 268-276.	3.4	11

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37	Tricin levels and expression of flavonoid biosynthetic genes in developing grains of purple and brown pericarp rice. <i>PeerJ</i> , 2019, 7, e6477.	2.0	11
38	Bioactives of <i>Artemisia dracunculus</i> L. enhance insulin sensitivity by modulation of ceramide metabolism in rat skeletal muscle cells. <i>Nutrition</i> , 2014, 30, S59-S66.	2.4	10
39	An Extract of Russian Tarragon Prevents Obesity-Related Ectopic Lipid Accumulation. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1700856.	3.3	9
40	Rapid, field-deployable method for collecting and preserving plant metabolome for biochemical and functional characterization. <i>PLoS ONE</i> , 2018, 13, e0203569.	2.5	7
41	Isolating an active and inactive CACTA transposon from lettuce color mutants and characterizing their family. <i>Plant Physiology</i> , 2021, 186, 929-944.	4.8	5
42	Elemental iron modifies the redox environment of the gastrointestinal tract: A novel therapeutic target and test for metabolic syndrome. <i>Free Radical Biology and Medicine</i> , 2021, 168, 203-213.	2.9	5
43	Designing a Clinical Study With Dietary Supplements: It's All in the Details. <i>Frontiers in Nutrition</i> , 2021, 8, 779486.	3.7	4
44	Prenylated Coumaric Acids from <i>Artemisia scoparia</i> Beneficially Modulate Adipogenesis. <i>Journal of Natural Products</i> , 2021, 84, 1078-1086.	3.0	3
45	Effects Of Triptolide On The Expression Of Inflammatory Markers In Lipopolysaccharide-Treated Human Endothelial Cells (HUVEC). <i>FASEB Journal</i> , 2015, 29, 789.1.	0.5	2
46	Brassinosteroid enhances C57BL/6J mice treadmill endurance. <i>FASEB Journal</i> , 2012, 26, 1121.8.	0.5	1
47	In vivo mouse model for examining contribution of inflammation to development of obesity and diabetes. <i>FASEB Journal</i> , 2012, 26, 364.4.	0.5	0
48	Antidiabetic effects and antioxidant capacity of polyphenolenhanced Rutgers Scarlet Lettuce. <i>FASEB Journal</i> , 2013, 27, 1079.7.	0.5	0
49	Interaction between dietary vitamin A, gut microbes, and host vitamin A status. <i>FASEB Journal</i> , 2019, 33, .	0.5	0
50	Novel Skeleton Flavan-Alkaloids from African Herb Tea <i>Kinkãliba</i> : Isolation, Characterization, Semisynthesis, and Bioactivities. <i>ACS Symposium Series</i> , 2020, , 297-312.	0.5	0