

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 | 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 |
| 2 | Prenylated Coumaric Acids from <i>Artemisia scoparia</i> Beneficially Modulate Adipogenesis. <i>Journal of Natural Products</i> , 2021, 84, 1078-1086. | 3.0 | 3 |
| 3 | Moringa isothiocyanate-1 regulates Nrf2 and NF- κ B pathway in response to LPS-driven sepsis and inflammation. <i>PLoS ONE</i> , 2021, 16, e0248691. | 2.5 | 23 |
| 4 | 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 |
| 5 | Designing a Clinical Study With Dietary Supplements: It's All in the Details. <i>Frontiers in Nutrition</i> , 2021, 8, 779486. | 3.7 | 4 |
| 6 | 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 |
| 7 | 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 |
| 8 | Metabolomic differences between invasive alien plants from native and invaded habitats. <i>Scientific Reports</i> , 2020, 10, 9749. | 3.3 | 16 |
| 9 | Novel Skeleton Flavan-Alkaloids from African Herb Tea <i>Kinkã©liba</i> : Isolation, Characterization, Semisynthesis, and Bioactivities. <i>ACS Symposium Series</i> , 2020, , 297-312. | 0.5 | 0 |
| 10 | Genetic and Phytochemical Characterization of Lettuce Flavonoid Biosynthesis Mutants. <i>Scientific Reports</i> , 2019, 9, 3305. | 3.3 | 15 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | Moringa Isothiocyanate Activates Nrf2: Potential Role in Diabetic Nephropathy. <i>AAPS Journal</i> , 2019, 21, 31. | 4.4 | 39 |
| 15 | 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 |
| 16 | Interaction between dietary vitamin A, gut microbes, and host vitamin A status. <i>FASEB Journal</i> , 2019, 33, . | 0.5 | 0 |
| 17 | An Extract of Russian Tarragon Prevents Obesity-Related Ectopic Lipid Accumulation. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1700856. | 3.3 | 9 |
| 18 | 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 |

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|----|---|-------|-----------|
| 19 | 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 |
| 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 | 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 |
| 22 | 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 |
| 23 | Physicochemical differences between malanga (<i>Xanthosoma sagittifolium</i>) and potato (<i>Solanum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 11 Functional Foods, 2018, 45, 268-276. | 3.4 | 11 |
| 24 | 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 |
| 25 | Isothiocyanate-enriched moringa seed extract alleviates ulcerative colitis symptoms in mice. <i>PLoS ONE</i> , 2017, 12, e0184709. | 2.5 | 53 |
| 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 | 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 |
| 28 | High phenolics Rutgers Scarlet Lettuce improves glucose metabolism in high fat dietâ€induced obese mice. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 2367-2378. | 3.3 | 23 |
| 29 | Phytoecdysteroids and flavonoid glycosides among Chilean and commercial sources of <i>Chenopodium quinoa</i> : variation and correlation to physicoâ€chemical characteristics. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 633-643. | 3.5 | 31 |
| 30 | Novel valueâ€added uses for sweet potato juice and flour in polyphenolâ€and proteinâ€enriched functional food ingredients. <i>Food Science and Nutrition</i> , 2015, 3, 415-424. | 3.4 | 22 |
| 31 | Isothiocyanateâ€rich <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 |
| 32 | 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 |
| 33 | Dietary Polyphenols Promote Growth of the Gut Bacterium <i>Akkermansia muciniphila</i> and Attenuate High-Fat Dietâ€Induced Metabolic Syndrome. <i>Diabetes</i> , 2015, 64, 2847-2858. | 0.6 | 526 |
| 34 | Innovations in Health Value and Functional Food Development of Quinoa (<i>Chenopodium quinoa</i>) Tj ETQq0 0 0 rgBT /Overlock 10 11.78 199 | 11.78 | 199 |
| 35 | 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 |
| 36 | Effects Of Triptolide On The Expression Of Inflammatory Markers In Lipopolysaccharideâ€Treated Human Endothelial Cells (HUVEC). <i>FASEB Journal</i> , 2015, 29, 789.1. | 0.5 | 2 |

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|----|--|-----|-----------|
| 37 | Development and Phytochemical Characterization of High Polyphenol Red Lettuce with Anti-Diabetic Properties. <i>PLoS ONE</i> , 2014, 9, e91571. | 2.5 | 43 |
| 38 | 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 |
| 39 | Stable, water extractable isothiocyanates from <i>Moringa oleifera</i> leaves attenuate inflammation in vitro. <i>Phytochemistry</i> , 2014, 103, 114-122. | 2.9 | 151 |
| 40 | Quinoa seeds leach phytoecdysteroids and other compounds with anti-diabetic properties. <i>Food Chemistry</i> , 2014, 163, 178-185. | 8.2 | 92 |
| 41 | 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 |
| 42 | 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 |
| 43 | Antidiabetic effects and antioxidant capacity of polyphenol-enhanced Rutgers Scarlet Lettuce. <i>FASEB Journal</i> , 2013, 27, 1079.7. | 0.5 | 0 |
| 44 | 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 |
| 45 | Brassinosteroid enhances C57BL/6J mice treadmill endurance. <i>FASEB Journal</i> , 2012, 26, 1121.8. | 0.5 | 1 |
| 46 | 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 |
| 47 | Plant extracts from central Asia showing antiinflammatory activities in gene expression assays. <i>Phytotherapy Research</i> , 2008, 22, 929-934. | 5.8 | 19 |
| 48 | Revisiting the ancient concept of botanical therapeutics. <i>Nature Chemical Biology</i> , 2007, 3, 360-366. | 8.0 | 307 |
| 49 | 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 |
| 50 | Can an Apple a Day Keep the Doctor Away?. <i>Current Pharmaceutical Design</i> , 2004, 10, 3419-3429. | 1.9 | 83 |