shinya Oba

List of Publications by Year in Descending Order

52 papers	2,315 citations	30 h-index	48 g-index
53 ext. papers	3,235 ext. citations	4 avg, IF	6.59 L-index

#	Paper	IF	Citations
52	Bioactive Phytochemicals and Quenching Activity of Radicals in Selected Drought-Resistant Vegetable Amaranth.. *Antioxidants*, **2022**, 11,	7.1	7
51	Influence of Salinity Stress on Color Parameters, Leaf Pigmentation, Polyphenol and Flavonoid Contents, and Antioxidant Activity of Leafy Vegetables.. *Molecules*, **2022**, 27,	4.8	6
50	Prospects and potentials of underutilized leafy Amaranths as vegetable use for health-promotion.. *Plant Physiology and Biochemistry*, **2022**, 182, 104-123	5.4	3
49	Phytonutrients, Colorant Pigments, Phytochemicals, and Antioxidant Potential of Orphan Leafy Species.. *Molecules*, **2022**, 27,	4.8	2
48	Characterization of Phytochemicals, Nutrients, and Antiradical Potential in Slim Amaranth. *Antioxidants*, **2022**, 11, 1089	7.1	0
47	Color attributes, betacyanin, and carotenoid profiles, bioactive components, and radical quenching capacity in selected Amaranthus gangeticus leafy vegetables. *Scientific Reports*, **2021**, 11, 11559	4.9	32
46	Bioactive Components and Radical Scavenging Activity in Selected Advance Lines of Salt-Tolerant Vegetable Amaranth. *Frontiers in Nutrition*, **2020**, 7, 587257	6.2	48
45	Polyphenol and flavonoid profiles and radical scavenging activity in leafy vegetable Amaranthus gangeticus. *BMC Plant Biology*, **2020**, 20, 499	5.3	54
44	Nutrients, minerals, antioxidant pigments and phytochemicals, and antioxidant capacity of the leaves of stem amaranth. *Scientific Reports*, **2020**, 10, 3892	4.9	62
43	Nutrients, minerals, pigments, phytochemicals, and radical scavenging activity in Amaranthus blitum leafy vegetables. *Scientific Reports*, **2020**, 10, 3868	4.9	57
42	Nutritional and antioxidant components and antioxidant capacity in green morph Amaranthus leafy vegetable. *Scientific Reports*, **2020**, 10, 1336	4.9	64
41	Leaf pigmentation, its profiles and radical scavenging activity in selected Amaranthus tricolor leafy vegetables. *Scientific Reports*, **2020**, 10, 18617	4.9	39
40	The Response of Salinity Stress-Induced to Growth, Anatomy, Physiology, Non-Enzymatic and Enzymatic Antioxidants. *Frontiers in Plant Science*, **2020**, 11, 559876	6.2	82
39	Phenolic profiles and antioxidant activities in selected drought-tolerant leafy vegetable amaranth. *Scientific Reports*, **2020**, 10, 18287	4.9	49
38	Nutritional and bioactive constituents and scavenging capacity of radicals in Amaranthus hypochondriacus. *Scientific Reports*, **2020**, 10, 19962	4.9	44
37	Nutraceuticals, phytochemicals, and radical quenching ability of selected drought-tolerant advance lines of vegetable amaranth. *BMC Plant Biology*, **2020**, 20, 564	5.3	37
36	Nutraceuticals, antioxidant pigments, and phytochemicals in the leaves of Amaranthus spinosus and Amaranthus viridis weedy species. *Scientific Reports*, **2019**, 9, 20413	4.9	72

35	Protein, dietary fiber, minerals, antioxidant pigments and phytochemicals, and antioxidant activity in selected red morph Amaranthus leafy vegetable. *PLoS ONE*, **2019**, 14, e0222517	3.7	64
34	Antioxidant constituents of three selected red and green color Amaranthus leafy vegetable. *Scientific Reports*, **2019**, 9, 18233	4.9	79
33	Salinity stress enhances color parameters, bioactive leaf pigments, vitamins, polyphenols, flavonoids and antioxidant activity in selected Amaranthus leafy vegetables. *Journal of the Science of Food and Agriculture*, **2019**, 99, 2275-2284	4.3	75
32	Response of nutrients, minerals, antioxidant leaf pigments, vitamins, polyphenol, flavonoid and antioxidant activity in selected vegetable amaranth under four soil water content. *Food Chemistry*, **2018**, 252, 72-83	8.5	97
31	Phenotypic divergence in vegetable amaranth for total antioxidant capacity, antioxidant profile, dietary fiber, nutritional and agronomic traits. *Acta Agriculturae Scandinavica - Section B Soil and Plant Science*, **2018**, 68, 67-76	1.1	18
30	Augmentation of leaf color parameters, pigments, vitamins, phenolic acids, flavonoids and antioxidant activity in selected Amaranthus tricolor under salinity stress. *Scientific Reports*, **2018**, 8, 12349	4.9	104
29	Catalase, superoxide dismutase and ascorbate-glutathione cycle enzymes confer drought tolerance of Amaranthus tricolor. *Scientific Reports*, **2018**, 8, 16496	4.9	113
28	Drought stress enhances nutritional and bioactive compounds, phenolic acids and antioxidant capacity of Amaranthus leafy vegetable. *BMC Plant Biology*, **2018**, 18, 258	5.3	141
27	Salinity stress accelerates nutrients, dietary fiber, minerals, phytochemicals and antioxidant activity in Amaranthus tricolor leaves. *PLoS ONE*, **2018**, 13, e0206388	3.7	66
26	Variability in total antioxidant capacity, antioxidant leaf pigments and foliage yield of vegetable amaranth. *Journal of Integrative Agriculture*, **2018**, 17, 1145-1153	3.2	48
25	Drought Stress Effects on Growth, ROS Markers, Compatible Solutes, Phenolics, Flavonoids, and Antioxidant Activity in Amaranthus tricolor. *Applied Biochemistry and Biotechnology*, **2018**, 186, 999-1016	3.2	111
24	Genotypic diversity in vegetable amaranth for antioxidant, nutrient and agronomic traits. *Indian Journal of Genetics and Plant Breeding*, **2017**, 77, 173	1.7	39
23	Genetic variation and interrelationships among antioxidant,quality, and agronomic traits in vegetable amaranth. *Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry*, **2016**, 40, 526-535	2.2	37
22	Genotype variability in composition of antioxidant vitamins and minerals in vegetable amaranth. *Genetika*, **2015**, 47, 85-96	0.6	44
21	Variability, heritability and genetic association in vegetable amaranth (Amaranthus tricolor L.). *Spanish Journal of Agricultural Research*, **2015**, 13, e0702	1.1	42
20	Phenotypic Plasticity of Vegetable Amaranth, Amaranthus tricolor L. under a Natural Climate. *Plant Production Science*, **2014**, 17, 166-172	2.4	8
19	Bioactive substances in leaves of two amaranth species, Amaranthus tricolor and A. hypochondriacus. *Canadian Journal of Plant Science*, **2013**, 93, 47-58	1	52
18	Phenolic acids, flavonoids and total antioxidant capacity of selected leafy vegetables. *Journal of Functional Foods*, **2012**, 4, 979-987	5.1	188

17	Foliar Application of Salicylic Acid Improved the Growth, Yield and Leaf's Bioactive Compounds in Red Amaranth (Amaranthus tricolor L.). *Journal of Fruit and Ornamental Plant Research*, **2011**, 74, 77-86		22
16	Indigenous utilization of termite mounds and their sustainability in a rice growing village of the central plain of Laos. *Journal of Ethnobiology and Ethnomedicine*, **2011**, 7, 24	3.9	58
15	Biomass yield and accumulations of bioactive compounds in red amaranth (Amaranthus tricolor L.) grown under different colored shade polyethylene in spring season. *Scientia Horticulturae*, **2010**, 123, 289-294	4.1	25
14	Influence of Cultivar and Growth Stage on Pigments and Processing Factors on Betacyanins in Red Amaranth (Amaranthus tricolor L.). *Food Science and Technology International*, **2009**, 15, 259-265	2.6	11
13	Total Polyphenol and Antioxidant Activity of Red Amaranth (Amaranthus tricolor L.) as Affected by Different Sunlight Level. *Japanese Society for Horticultural Science*, **2008**, 77, 395-401		26
12	Finger millet (Eleucine corocana L. Gaertn.) as a cover crop on weed control, growth and yield of soybean under different tillage systems. *Soil and Tillage Research*, **2006**, 90, 93-99	6.5	23
11	Effect of Chinese Milk Vetch (Astragalus sinicus L.) as a Cover Crop on Weed Control, Growth and Yield of Wheat under Different Tillage Systems. *Plant Production Science*, **2005**, 8, 79-85	2.4	13
10	Weed population dynamics in wheat as affected by Astragalus sinicus L. (Chinese milk vetch) under reduced tillage. *Crop Protection*, **2005**, 24, 864-869	2.7	11
9	Association of Grain Shedding Habit with Polyploidy in Tartary Buckwheat (Fagopyrum tataricum) Strains. *Plant Production Science*, **2004**, 7, 212-216	2.4	2
8	Nitrogen Uptake by Faba Bean from 15N-Labelled Oilseed-Rape Residue and Chicken Manure with Ryegrass as a Reference Crop. *Plant Production Science*, **2004**, 7, 371-376	2.4	5
7	Composting of rice straw with oilseed rape cake and poultry manure and its effects on faba bean (Vicia faba L.) growth and soil properties. *Bioresource Technology*, **2004**, 93, 183-9	11	83
6	Evaluation of the SPAD Value in Faba Bean (Vicia fabaL.) Leaves in Relation to Different Fertilizer Applications. *Plant Production Science*, **2003**, 6, 185-189	2.4	22
5	Effects of Fertilization and Poliploidy on Grain Shedding Habit of Cultivated Buckwheats (Fagopyrum spp.). *Japanese Journal of Crop Science*, **2001**, 70, 221-225	0.1	4
4	Breaking Strength of Pedicel as an Index of Grain-Shattering Habit in Autotetraploid and Diploid Buckwheat (Fagopyrum esculentum Moench.) Cultivars. *Plant Production Science*, **1999**, 2, 190-195	2.4	2
3	Breaking Strength of Pedicel and Grain Shattering Habit in Two Species of Buckwheat (Fagopyrum spp.). *Plant Production Science*, **1998**, 1, 62-66	2.4	13
2	Novel DNA probes capable of discriminating indica and japonica rice cultivars. *DNA Sequence*, **1996**, 6, 303-6		1
1	Association between Grain Shattering Habit and Formation of Abscission Layer Controlled by Grain Shattering gene sh-2 in Rice(Oryza sativa L.).. *Japanese Journal of Crop Science*, **1995**, 64, 607-615	0.1	10