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List of Publications by Citations

111 papers	3,975 citations	34 h-index	60 g-index
130 ext. papers	4,329 ext. citations	5 avg, IF	5.2 L-index

#	Paper	IF	Citations
111	Aspects of the metabolism of hydrogen production by Rhodobacter sphaeroides. *International Journal of Hydrogen Energy*, **2002**, 27, 1315-1329	6.7	369
110	Antioxidant responses of tolerant and sensitive barley cultivars to boron toxicity. *Plant Science*, **2003**, 164, 925-933	5.3	194
109	Kinetics of biological hydrogen production by the photosynthetic bacterium Rhodobacter sphaeroides O.U. 001. *International Journal of Hydrogen Energy*, **2003**, 28, 381-388	6.7	181
108	Biohydrogen production from beet molasses by sequential dark and photofermentation. *International Journal of Hydrogen Energy*, **2010**, 35, 511-517	6.7	174
107	Photobiological hydrogen production by using olive mill wastewater as a sole substrate source. *International Journal of Hydrogen Energy*, **2004**, 29, 163-171	6.7	145
106	Effect of light intensity, wavelength and illumination protocol on hydrogen production in photobioreactors. *International Journal of Hydrogen Energy*, **2007**, 32, 4670-4677	6.7	142
105	Biological hydrogen production from olive mill wastewater with two-stage processes. *International Journal of Hydrogen Energy*, **2006**, 31, 1527-1535	6.7	121
104	Photoproduction of hydrogen from sugar refinery wastewater by Rhodobacter sphaeroides O.U. 001. *International Journal of Hydrogen Energy*, **2000**, 25, 1035-1041	6.7	113
103	Substrate consumption rates for hydrogen production by Rhodobacter sphaeroides in a column photobioreactor. *Journal of Biotechnology*, **1999**, 70, 103-113	3.7	109
102	Photofermentative hydrogen production from volatile fatty acids present in dark fermentation effluents. *International Journal of Hydrogen Energy*, **2009**, 34, 4517-4523	6.7	106
101	Hydrogen production by Rhodobacter sphaeroides O.U.001 in a flat plate solar bioreactor. *International Journal of Hydrogen Energy*, **2008**, 33, 531-541	6.7	105
100	Hydrogen production by using Rhodobacter capsulatus mutants with genetically modified electron transfer chains. *International Journal of Hydrogen Energy*, **2006**, 31, 1545-1552	6.7	94
99	Effect of clay pretreatment on photofermentative hydrogen production from olive mill wastewater. *Bioresource Technology*, **2008**, 99, 6799-808	11	87
98	Biological hydrogen production by Rhodobacter capsulatus in solar tubular photo bioreactor. *Journal of Cleaner Production*, **2010**, 18, S29-S35	10.3	83
97	Improved hydrogen production by uptake hydrogenase deficient mutant strain of Rhodobacter sphaeroides O.U.001. *International Journal of Hydrogen Energy*, **2008**, 33, 3056-3060	6.7	81
96	Potential use of thermophilic dark fermentation effluents in photofermentative hydrogen production by Rhodobacter capsulatus. *Journal of Cleaner Production*, **2010**, 18, S23-S28	10.3	76
95	Biochemical analysis of trehalose and its metabolizing enzymes in wheat under abiotic stress conditions. *Plant Science*, **2005**, 169, 47-54	5.3	69

94	Hydrogen production and transcriptional analysis of nifD, nifK and hupS genes in Rhodobacter sphaeroides O.U.001 grown in media with different concentrations of molybdenum and iron. *International Journal of Hydrogen Energy*, **2006**, 31, 1536-1544	6.7	69
93	Biohydrogen production by Rhodobacter capsulatus on acetate at fluctuating temperatures. *Resources, Conservation and Recycling*, **2010**, 54, 310-314	11.9	60
92	Drought-induced oxidative damage and antioxidant responses in peanut (Arachis hypogaea L.) seedlings. *Plant Growth Regulation*, **2010**, 61, 21-28	3.2	59
91	Photosynthetic bacterial growth and productivity under continuous illumination or diurnal cycles with olive mill wastewater as feedstock. *International Journal of Hydrogen Energy*, **2010**, 35, 5293-5300	6.7	57
90	Effects of ammonium ion, acetate and aerobic conditions on hydrogen production and expression levels of nitrogenase genes in Rhodobacter sphaeroides O.U.001. *International Journal of Hydrogen Energy*, **2009**, 34, 8818-8827	6.7	55
89	Biohydrogen production in an outdoor panel photobioreactor on dark fermentation effluent of molasses. *International Journal of Hydrogen Energy*, **2011**, 36, 11360-11368	6.7	52
88	Optimization of temperature and light intensity for improved photofermentative hydrogen production using Rhodobacter capsulatus DSM 1710. *International Journal of Hydrogen Energy*, **2014**, 39, 2472-2480	6.7	49
87	Evaluation of hydrogen production by Rhodobacter sphaeroides O.U.001 and its hupSL deficient mutant using acetate and malate as carbon sources. *International Journal of Hydrogen Energy*, **2009**, 34, 2184-2190	6.7	49
86	Photofermentative hydrogen production using dark fermentation effluent of sugar beet thick juice in outdoor conditions. *International Journal of Hydrogen Energy*, **2012**, 37, 2044-2049	6.7	48
85	Hydrogen productivity of photosynthetic bacteria on dark fermenter effluent of potato steam peels hydrolysate. *International Journal of Hydrogen Energy*, **2011**, 36, 432-438	6.7	48
84	Identification of by-products in hydrogen producing bacteria; Rhodobacter sphaeroides O.U. 001 grown in the waste water of a sugar refinery. *Journal of Biotechnology*, **1999**, 70, 125-131	3.7	46
83	Effect of iron and molybdenum addition on photofermentative hydrogen production from olive mill wastewater. *International Journal of Hydrogen Energy*, **2011**, 36, 5895-5903	6.7	45
82	Biohydrogen production by Rhodobacter capsulatus in solar tubular photobioreactor on thick juice dark fermenter effluent. *Journal of Cleaner Production*, **2012**, 31, 150-157	10.3	42
81	Significance of carbon to nitrogen ratio on the long-term stability of continuous photofermentative hydrogen production. *International Journal of Hydrogen Energy*, **2011**, 36, 15583-15594	6.7	40
80	Hydrogen gas production by combined systems of Rhodobacter sphaeroides O.U.001 and Halobacterium salinarum in a photobioreactor. *International Journal of Hydrogen Energy*, **2006**, 31, 1553-1562	6.7	40
79	Treatment of olive mill wastewater by different physicochemical methods and utilization of their liquid effluents for biological hydrogen production. *Biomass and Bioenergy*, **2009**, 33, 701-705	5.3	38
78	Phenolic compounds, carotenoids, and antioxidant capacities of a thermo-tolerant Scenedesmus sp. (Chlorophyta) extracted with different solvents. *Journal of Applied Phycology*, **2019**, 31, 1675-1683	3.2	35
77	Thermo-resistant green microalgae for effective biodiesel production: isolation and characterization of unialgal species from geothermal flora of Central Anatolia. *Bioresource Technology*, **2014**, 169, 62-71	11	33

76	Transformation of lentil (Lens culinaris M.) cotyledonary nodes by vacuum infiltration ofAgrobacterium tumefaciens. *Plant Molecular Biology Reporter*, **2002**, 20, 251-257	1.7	33
75	Kinetic analysis of photosynthetic growth, hydrogen production and dual substrate utilization by Rhodobacter capsulatus. *International Journal of Hydrogen Energy*, **2012**, 37, 16430-16436	6.7	32
74	Factors affecting the longterm stability of biomass and hydrogen productivity in outdoor photofermentation. *International Journal of Hydrogen Energy*, **2011**, 36, 11369-11378	6.7	32
73	Demonstration and optimization of sequential microaerobic dark- and photo-fermentation biohydrogen production by immobilized Rhodobacter capsulatus JP91. *Bioresource Technology*, **2018**, 250, 43-52	11	32
72	Physiological, Biochemical, and Transcriptomic Responses to Boron Toxicity in Leaf and Root Tissues of Contrasting Wheat Cultivars. *Plant Molecular Biology Reporter*, **2017**, 35, 97-109	1.7	31
71	Biohydrogen production by Rhodobacter capsulatus Hup mutant in pilot solar tubular photobioreactor. *International Journal of Hydrogen Energy*, **2012**, 37, 16437-16445	6.7	31
70	Evaluation of heterotrophic and mixotrophic cultivation of novel Micractinium sp. ME05 on vinasse and its scale up for biodiesel production. *Bioresource Technology*, **2018**, 251, 128-134	11	31
69	Comparison of physicochemical characteristics and photofermentative hydrogen production potential of wastewaters produced from different olive oil mills in Western-Anatolia, Turkey. *Biomass and Bioenergy*, **2009**, 33, 706-711	5.3	30
68	Agrobacterium tumefaciens-mediated genetic transformation of a recalcitrant grain legume, lentil (Lens culinaris Medik). *Plant Cell Reports*, **2009**, 28, 407-17	5.1	29
67	Electrocardiographic findings of acute organophosphate poisoning. *Journal of Emergency Medicine*, **2009**, 36, 39-42	1.5	28
66	Single-stage photofermentative biohydrogen production from sugar beet molasses by different purple non-sulfur bacteria. *Bioprocess and Biosystems Engineering*, **2017**, 40, 1589-1601	3.7	27
65	Hydrogen production properties of Rhodobacter capsulatus with genetically modified redox balancing pathways. *International Journal of Hydrogen Energy*, **2012**, 37, 2014-2020	6.7	27
64	Expression Analysis of TaNAC69-1 and TtNAMB-2, Wheat NAC Family Transcription Factor Genes Under Abiotic Stress Conditions in Durum Wheat (Triticum turgidum). *Plant Molecular Biology Reporter*, **2012**, 30, 1246-1252	1.7	25
63	Cu/Zn superoxide dismutase activity and respective gene expression during cold acclimation and freezing stress in barley cultivars. *Biologia Plantarum*, **2012**, 56, 693-698	2.1	24
62	Long-term biological hydrogen production by agar immobilized Rhodobacter capsulatus in a sequential batch photobioreactor. *Bioprocess and Biosystems Engineering*, **2017**, 40, 589-599	3.7	19
61	Hydrogen production by hup(-) mutant and wild-type strains of Rhodobacter capsulatus from dark fermentation effluent of sugar beet thick juice in batch and continuous photobioreactors. *Bioprocess and Biosystems Engineering*, **2015**, 38, 1935-42	3.7	19
60	Evaluation of photosynthetic performance of wheat cultivars exposed to boron toxicity by the JIP fluorescence test. *Photosynthetica*, **2014**, 52, 555-563	2.2	19
59	Biological hydrogen production from sugar beet molasses by agar immobilized R. capsulatus in a panel photobioreactor. *International Journal of Hydrogen Energy*, **2018**, 43, 14987-14995	6.7	16

58	Amelioration of photofermentative hydrogen production from molasses dark fermenter effluent by zeolite-based removal of ammonium ion. *International Journal of Hydrogen Energy*, **2012**, 37, 16421-16429	6.7	16
57	Evaluation of Various Extraction Techniques for Efficient Lipid Recovery from Thermo-Resistant Microalgae, <i>Hindakia</i>, <i>Scenedesmus</i> and <i>Micractinium</i> Species Comparison of Lipid Extraction Methods from Microalgae. *American Journal of Analytical Chemistry*, **2016**, 07, 141-150	0.7	16
56	Evaluation of novel thermo-resistant Micractinium and Scenedesmus sp. for efficient biomass and lipid production under different temperature and nutrient regimes. *Bioresource Technology*, **2016**, 211, 422-8	11	15
55	Characterization of Leiurus abdullahbayrami (Scorpiones: Buthidae) venom: peptide profile, cytotoxicity and antimicrobial activity. *Journal of Venomous Animals and Toxins Including Tropical Diseases*, **2014**, 20, 48	2.2	15
54	NITRATE REDUCTASE AND GLUTAMATE DEHYDROGENASE ACTIVITIES OF RESISTANT AND SENSITIVE CULTIVARS OF WHEAT AND BARLEY UNDER BORON TOXICITY. *Journal of Plant Nutrition*, **2002**, 25, 1829-1837	2.3	15
53	Long-term stable hydrogen production from acetate using immobilized Rhodobacter capsulatus in a panel photobioreactor. *International Journal of Hydrogen Energy*, **2019**, 44, 18801-18810	6.7	14
52	Changes in total protein profiles of barley cultivars in response to toxic boron concentration. *Journal of Plant Nutrition*, **2000**, 23, 391-399	2.3	12
51	The biocatalytic effect of Halobacterium halobium on photoelectrochemical hydrogen production. *Journal of Biotechnology*, **1999**, 70, 115-124	3.7	12
50	Effect of inactivation of genes involved in ammonium regulation on the biohydrogen production of Rhodobacter capsulatus. *International Journal of Hydrogen Energy*, **2011**, 36, 13536-13546	6.7	11
49	Photoresponse of bacteriorhodopsin immobilized in polyacrylamide gel membranes. *Journal of Membrane Science*, **1994**, 86, 171-179	9.6	11
48	Two-dimensional electrophoresis of proteins with a different approach to isoelectric focusing. *Analyst, The*, **1994**, 119, 1341-1344	5	11
47	Hydrogen and poly-β-hydroxybutyric acid production at various acetate concentrations using Rhodobacter capsulatus DSM 1710. *International Journal of Hydrogen Energy*, **2019**, 44, 17269-17277	6.7	10
46	Scale-up studies for stable, long-term indoor and outdoor production of hydrogen by immobilized Rhodobacter capsulatus. *International Journal of Hydrogen Energy*, **2017**, 42, 22743-22755	6.7	10
45	Lactate and ethanol productions by Rhizopus oryzae ATCC 9363 and activities of related pyruvate branch point enzymes. *Journal of Bioscience and Bioengineering*, **2006**, 102, 464-6	3.3	10
44	On the influence of the initial tension of a strip with a rectangular hole on the stress concentration caused by additional loading. *Journal of Strain Analysis for Engineering Design*, **2004**, 39, 615-624	1.3	10
43	Microarray analysis of high light intensity stress on hydrogen production metabolism of Rhodobacter capsulatus. *International Journal of Hydrogen Energy*, **2020**, 45, 3516-3523	6.7	10
42	Purification and characterisation of two isozymes of pyruvate decarboxylase from Rhizopus oryzae. *Enzyme and Microbial Technology*, **2007**, 40, 675-682	3.8	9
41	Factors affecting plant regeneration from immature inflorescence of two winter wheat cultivars. *Biologia Plantarum*, **2008**, 52, 621-626	2.1	9

40	Superoxide dismutase activity in salt stressed wheat seedlings. *Acta Physiologiae Plantarum*, **2003**, 25, 263-269	2.6	9
39	Antioxidant responses of peanut (Arachis hypogaea L.) seedlings to prolonged salt-induced stress. *Archives of Biological Sciences*, **2015**, 67, 1303-1312	0.7	9
38	Temperature resistant mutants of Rhodobacter capsulatus generated by a directed evolution approach and effects of temperature resistance on hydrogen production. *International Journal of Hydrogen Energy*, **2012**, 37, 16466-16472	6.7	8
37	CELL WALL URONIC ACID CONCENTRATIONS OF RESISTANT AND SENSITIVE CULTIVARS OF WHEAT AND BARLEY UNDER BORON TOXICITY. *Journal of Plant Nutrition*, **2001**, 24, 1965-1973	2.3	8
36	Evaluation of abiotic stress tolerance and physiological characteristics of potato (Solanum tuberosum L. cv. Kennebec) that heterologously expresses the rice Osmyb4 gene. *Plant Biotechnology Reports*, **2014**, 8, 295-304	2.5	7
35	Photosystem II and cellular membrane stability evaluation in hexaploid wheat seedlings under salt stress conditions. *Journal of Plant Nutrition*, **2000**, 23, 275-283	2.3	7
34	Modelling and kinetics of light induced proton pumping of bacteriorhodopsin reconstituted liposomes. *Journal of Membrane Science*, **1991**, 61, 325-336	9.6	7
33	Inhibition and recovery of photosystem II following exposure of wheat to heat shock. *Environmental and Experimental Botany*, **1992**, 32, 125-135	5.9	7
32	Measurement of neutral strange particle production in the underlying event in proton-proton collisions at s=7 TeV. *Physical Review D*, **2013**, 88,	4.9	5
31	Transcriptional Profiling of Hydrogen Production Metabolism of Rhodobacter capsulatus under Temperature Stress by Microarray Analysis. *International Journal of Molecular Sciences*, **2015**, 16, 13781-97	6.3	5
30	Hydrogen storage capability of carbon nanotube Be@C120. *International Journal of Hydrogen Energy*, **2004**, 29, 1643-1647	6.7	5
29	Selection of Cultured Wheat Cells for Tolerance to High Temperature Stress. *Crop Science*, **1993**, 33, 315	2.4	5
28	Applications of Photofermentative Hydrogen Production. *Advances in Photosynthesis and Respiration*, **2014**, 237-267	1.7	5
27	Enhanced salt tolerance of transgenic tobacco expressing a wheat salt tolerance gene. *Turkish Journal of Biology*, **2016**, 40, 727-735	3.1	5
26	Enhancement of Heterotrophic Biomass Production by Micractinium sp. ME05. *Waste and Biomass Valorization*, **2018**, 9, 811-820	3.2	4
25	A two-stage pretreatment of seedlings improves adventitious shoot regeneration in sugar beet (Beta vulgaris L.). *Plant Cell, Tissue and Organ Culture*, **2011**, 106, 261-268	2.7	4
24	Identification of by-products in hydrogen producing bacteria; Rhodobacter sphaeroides O.U. 001 grown in the waste water of a sugar refinery. *Progress in Industrial Microbiology*, **1999**, 125-131		4
23	Continuous Hydrogen Production by Rhodobacter sphaeroides O.U.001 **1998**, 143-149		4

22	Kinetic analysis of light induced proton dissociation and association of bacteriorhodopsin in purple membrane fragments under continuous illumination. *Journal of Membrane Science*, **1995**, 104, 65-72	9.6	4
21	Salt induced synthesis of new proteins in the roots of rice varieties. *Journal of Plant Nutrition*, **1995**, 18, 1121-1137	2.3	4
20	Modelling of long-term photoresponse of bacteriorhodopsin immobilized on cellulose acetate membranes. *Journal of Membrane Science*, **1996**, 113, 65-71	9.6	4
19	Hydrogen Production via Photofermentation **2012**, 54-77		4
18	Cloning and heterologous expression of chlorophyll a synthase in Rhodobacter sphaeroides. *Journal of Basic Microbiology*, **2017**, 57, 238-244	2.7	3
17	Transcriptome analysis of Rhodobacter capsulatus grown on different nitrogen sources. *Archives of Microbiology*, **2019**, 201, 661-671	3	3
16	Cloning and expression of trehalose-6-phosphate synthase 1 from Rhizopus oryzae. *Journal of Basic Microbiology*, **2016**, 56, 459-68	2.7	3
15	Photofermentative Hydrogen Production in Outdoor Conditions **2012**,		3
14	Effect of Water Deficit Conditions on Superoxide Dismutase Isoenzyme Activities in Wheat. *Cereal Research Communications*, **1998**, 26, 297-304	1.1	3
13	Heterotrophic growth and oil production from Micractinium sp. ME05 using molasses. *Journal of Applied Phycology*, **2018**, 30, 3483-3492	3.2	2
12	Transgenic Nicotiana tabacum cultivar Samsun plants carrying the wild sugar beet Hs1pro1 gene have resistance to root-knot nematodes. *Turkish Journal of Biology*, **2014**, 38, 200-207	3.1	2
11	Determination of the relationship between doxorubicin resistance and Wnt signaling pathway in HeLa and K562 cell lines. *EXCLI Journal*, **2018**, 17, 386-398	2.4	2
10	Inner and Outer-Layer Similarity of the Turbulence Intensity Profile over a Realistic Urban Geometry. *Scientific Online Letters on the Atmosphere*, **2020**, 16, 120-124	2.1	1
9	IMPROVEMENTS OF URBAN REPRESENTATION IN WEATHER MODELS USING GLOBAL DATASETS. *Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)*, **2016**, 72, I_91-I_96	0.1	1
8	Draft Genome Sequences of Two Heat-Resistant Mutant Strains (A52 and B41) of the Photosynthetic Hydrogen-Producing Bacterium Rhodobacter capsulatus. *Genome Announcements*, **2016**, 4,		1
7	Lentil (Lens culinaris Medik). *Methods in Molecular Biology*, **2015**, 1223, 265-74	1.4	1
6	Single laboratory method performance evaluation for the analysis of Roundup Ready soy flour by qualitative and quantitative detection methods. *Quality Assurance and Safety of Crops and Foods*, **2017**, 9, 303-311	1.5	1
5	The Effect of Halobacterium halobium on Photoelectrochemical Hydrogen Production **1998**, 295-304		1

4	Transcriptome analysis of the effects of light and dark cycle on hydrogen production metabolism of Rhodobacter capsulatus DSM1710. *International Journal of Hydrogen Energy*, **2020**, 45, 34707-34719	6.7
3	Lentil **2008**, 89-102	
2	Superoxide Dismutase Activity of Hexaploid and Tetraploid Wheat Cultivars Subjected to Heat and Chilling Stress. *Cereal Research Communications*, **2003**, 31, 387-394	1.1
1	The biocatalytic effect of Halobacterium halobium on photoelectrochemical hydrogen production. *Progress in Industrial Microbiology*, **1999**, 35, 115-124	