

Govindjee Govindjee

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

359
papers

15,472
citations

66
h-index

105
g-index

403
ext. papers

17,095
ext. citations

4.5
avg, IF

6.68
L-index

#	Paper	IF	Citations
359	Natural variation in the fast phase of chlorophyll a fluorescence induction curve (OJIP) in a global rice minicore panel. <i>Photosynthesis Research</i> , 2021 , 150, 137-158	3.7	4
358	Evaluating the Impact of Summer Drought on Vegetation Growth Using Space-Based Solar-Induced Chlorophyll Fluorescence Across Extensive Spatial Measures. <i>Big Data</i> , 2021 ,	3.1	2
357	Three overlooked photosynthesis papers of Otto Warburg (1883-1970), published in the 1940s in German and in Russian, on light-driven water oxidation coupled to benzoquinone reduction. <i>Photosynthesis Research</i> , 2021 , 149, 259-264	3.7	0
356	Martin David Kamen (1913-2002): discoverer of carbon 14, and of new cytochromes in photosynthetic bacteria. <i>Photosynthesis Research</i> , 2021 , 149, 265-273	3.7	0
355	A tribute. <i>Plant Physiology Reports</i> , 2021 , 26, 1-3	1.4	0
354	Honoring Bacon Ke at 100: a legend among the many luminaries and a highly collaborative scientist in photosynthesis research. <i>Photosynthesis Research</i> , 2021 , 147, 243-252	3.7	0
353	Regulation of Photosynthesis in Bloom-Forming Cyanobacteria with the Simplest β -Diketone. <i>Environmental Science & Technology</i> , 2021 , 55, 14173-14184	10.3	4
352	Plant lectins and their many roles: Carbohydrate-binding and beyond. <i>Journal of Plant Physiology</i> , 2021 , 266, 153531	3.6	3
351	Light regulation of light-harvesting antenna size substantially enhances photosynthetic efficiency and biomass yield in green algae. <i>Plant Journal</i> , 2020 , 103, 584-603	6.9	23
350	Christiaan Sybesma (August 31, 1928-January 31, 2018), an extraordinary biophysicist of our time. <i>Photosynthesis Research</i> , 2020 , 144, 297-300	3.7	4
349	From β -aminolevulinic acid to chlorophylls and every step in between: in memory of Constantin (Tino) A. Rebeiz, 1936-2019. <i>Photosynthesis Research</i> , 2020 , 145, 71-82	3.7	5
348	Satish Chandra Maheshwari (1933-2019)-a brilliant, passionate and an outstanding shining light for all of plant biology. <i>Physiology and Molecular Biology of Plants</i> , 2020 , 26, 1087-1098	2.8	2
347	Gordon research conference 2019: From the biophysics of natural and artificial photosynthesis to bioenergy conversion. <i>Current Plant Biology</i> , 2020 , 22, 100129	3.3	1
346	Unique features of the 'photo-energetics' of purple bacteria: a critical survey by the late Aleksandr Yuryevich Borisov (1930-2019). <i>Photosynthesis Research</i> , 2020 , 146, 17-24	3.7	1
345	Photosynthesis: basics, history and modelling. <i>Annals of Botany</i> , 2020 , 126, 511-537	4.1	53
344	Development of a minimized model structure and a feedback control framework for regulating photosynthetic activities. <i>Photosynthesis Research</i> , 2020 , 146, 213-225	3.7	3
343	Remembering Melvin Calvin (1911-1997), a highly versatile scientist of the 20th century. <i>Photosynthesis Research</i> , 2020 , 143, 1-11	3.7	5

342	A tribute to Maarib (Darwish Lutfi Bakri) Bazzaz (1940-2020): the one who proved the existence of blue chlorophylls in plants. <i>Plant Physiology Reports</i> , 2020 , 25, 377-385	1.4	2
341	Tribute: a salute to Alexander Yurievich Borisov (1930-2019), an outstanding biophysicist. <i>Photosynthesis Research</i> , 2020 , 146, 25-27	3.7	1
340	Eugene I. Rabinowitch: A prophet of photosynthesis and of peace in the world. <i>Photosynthesis Research</i> , 2019 , 141, 143-150	3.7	6
339	Genome-wide association study identifies variation of glucosidase being linked to natural variation of the maximal quantum yield of photosystem II. <i>Physiologia Plantarum</i> , 2019 , 166, 105-119	4.6	8
338	Honoring eight senior distinguished plant biologists from India. <i>Photosynthesis Research</i> , 2019 , 139, 45-52	3.7	7
337	CO uptake and chlorophyll a fluorescence of <i>Suaeda fruticosa</i> grown under diurnal rhythm and after transfer to continuous dark. <i>Photosynthesis Research</i> , 2019 , 142, 211-227	3.7	20
336	The 10th international conference on Photosynthesis and Hydrogen Energy Research for sustainability – A pictorial report in honor of Tingyun Kuang, Anthony Larkum, Cesare Marchetti and Kimiyuki Satoh. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 30927-30934	6.7	1
335	Thomas John Wydrzynski (8 July 1947-16 March 2018). <i>Photosynthesis Research</i> , 2019 , 140, 253-261	3.7	4
334	Changes in the photosynthesis properties and photoprotection capacity in rice (<i>Oryza sativa</i>) grown under red, blue, or white light. <i>Photosynthesis Research</i> , 2019 , 139, 107-121	3.7	30
333	A sixty-year tryst with photosynthesis and related processes: an informal personal perspective. <i>Photosynthesis Research</i> , 2019 , 139, 15-43	3.7	5
332	Chlorophyll a Fluorescence in Cyanobacteria: Relation to Photosynthesis 2019 , 79-130		20
331	We remember those who left us in the recent past. <i>Physiologia Plantarum</i> , 2019 , 166, 7-11	4.6	1
330	Low temperature induced modulation of photosynthetic induction in non-acclimated and cold-acclimated <i>Arabidopsis thaliana</i> : chlorophyll a fluorescence and gas-exchange measurements. <i>Photosynthesis Research</i> , 2019 , 139, 123-143	3.7	15
329	Shmuel Malkin (1934-2017) : Listening to photosynthesis and making music. <i>Photosynthesis Research</i> , 2018 , 137, 1-15	3.7	3
328	Chlorophyll a fluorescence induction: Can just a one-second measurement be used to quantify abiotic stress responses?. <i>Photosynthetica</i> , 2018 , 56, 86-104	2.2	186
327	Rice intermediate filament, OsIF, stabilizes photosynthetic machinery and yield under salinity and heat stress. <i>Scientific Reports</i> , 2018 , 8, 4072	4.9	29
326	Vyacheslav (Slava) Klimov (1945-2017): A scientist par excellence, a great human being, a friend, and a Renaissance man. <i>Photosynthesis Research</i> , 2018 , 136, 1-16	3.7	7
325	Remembering Otto Kandler (1920-2017) and his contributions. <i>Photosynthesis Research</i> , 2018 , 137, 337-340	3.7	1

324	Remembering Professor Prasanna K. Mohanty (April 1, 1934 – March 9, 2013). <i>Current Plant Biology</i> , 2018 , 13, 2-5	3.3	3
323	On the origin of the slow M-T chlorophyll a fluorescence decline in cyanobacteria: interplay of short-term light-responses. <i>Photosynthesis Research</i> , 2018 , 136, 183-198	3.7	12
322	Remembering Tom Wydrzynski (1947–2018), one who had the guts to go after what he wanted and excelled at it. <i>Current Plant Biology</i> , 2018 , 16, 2-8	3.3	5
321	In memory of Thomas Turpin Bannister (1930-2018). <i>Photosynthesis Research</i> , 2018 , 138, 129-138	3.7	1
320	Evolution of the Z-scheme of photosynthesis: a perspective. <i>Photosynthesis Research</i> , 2017 , 133, 5-15	3.7	56
319	Andrzej Tridon Jagendorf (1926-2017): a personal tribute. <i>Photosynthesis Research</i> , 2017 , 132, 235-243	3.7	5
318	Remembering Navasard V. Karapetyan (1936-2015). <i>Photosynthesis Research</i> , 2017 , 132, 221-226	3.7	2
317	Paul Henry Latimer (1925-2011): discoverer of selective scattering in photosynthetic systems. <i>Photosynthesis Research</i> , 2017 , 134, 83-91	3.7	2
316	The paths of Andrew A. Benson: a radio-autobiography. <i>Photosynthesis Research</i> , 2017 , 134, 93-105	3.7	7
315	David W. Krogmann, 1931-2016. <i>Photosynthesis Research</i> , 2017 , 132, 1-12	3.7	6
314	Frederick Yi-Tung Cho (1939-2011) : His PhD days in Biophysics, the Photosynthesis Lab, and his patents in engineering physics. <i>Photosynthesis Research</i> , 2017 , 132, 227-234	3.7	2
313	Light Absorption and Energy Transfer in the Antenna Complexes of Photosynthetic Organisms. <i>Chemical Reviews</i> , 2017 , 117, 249-293	68.1	549
312	Honoring Jean-David Rochaix. <i>Photosynthesis Research</i> , 2017 , 131, 221-225	3.7	1
311	Differential Response of Floating and Submerged Leaves of Longleaf Pondweed to Silver Ions. <i>Frontiers in Plant Science</i> , 2017 , 8, 1052	6.2	15
310	Remembering Jeanette Snyder Brown (1925-2014). <i>Photosynthesis Research</i> , 2016 , 127, 287-93	3.7	0
309	Remembering James Alan Bassham (1922-2012). <i>Photosynthesis Research</i> , 2016 , 128, 3-13	3.7	8
308	Hartmut Lichtenthaler: an authority on chloroplast structure and isoprenoid biochemistry. <i>Photosynthesis Research</i> , 2016 , 128, 117-23	3.7	2
307	Jalal A. Aliyev (1928-2016): a great scientist, a great teacher and a great human being. <i>Photosynthesis Research</i> , 2016 , 128, 219-22	3.7	2

306	Ren[Marcelle (December 30, 1931-December 18, 2011), the first editor-in-chief of Photosynthesis Research. <i>Photosynthesis Research</i> , 2016 , 129, 13-5	3.7	1
305	Honoring George C. Papageorgiou. <i>Photosynthetica</i> , 2016 , 54, 158-160	2.2	4
304	The slow phase of chlorophyll a fluorescence induction in silico: Origin of the S-M fluorescence rise. <i>Photosynthesis Research</i> , 2016 , 130, 193-213	3.7	29
303	Vallabhaneni Sita Rama Das, 1933-2010: teacher and mentor. <i>Photosynthesis Research</i> , 2016 , 128, 109-153	3.7	1
302	Towards efficient photosynthesis: overexpression of Zea mays phosphoenolpyruvate carboxylase in Arabidopsis thaliana. <i>Photosynthesis Research</i> , 2016 , 130, 47-72	3.7	25
301	International conference on "Photosynthesis research for sustainability-2015" in honor of George C. Papageorgiou", September 21-26, 2015, Crete, Greece. <i>Photosynthesis Research</i> , 2016 , 130, 1-10	3.7	13
300	The two last overviews by Colin Allen Wraight (1945-2014) on energy conversion in photosynthetic bacteria. <i>Photosynthesis Research</i> , 2016 , 127, 257-71	3.7	8
299	Colin A. Wraight, 1945-2014. <i>Photosynthesis Research</i> , 2016 , 127, 237-56	3.7	6
298	Role of Ions in the Regulation of Light-Harvesting. <i>Frontiers in Plant Science</i> , 2016 , 7, 1849	6.2	43
297	Plant phenotyping: a perspective. <i>Indian Journal of Plant Physiology</i> , 2016 , 21, 514-527		26
296	Effects of exogenous β -carotene, a chemical scavenger of singlet oxygen, on the millisecond rise of chlorophyll a fluorescence of cyanobacterium Synechococcus sp. PCC 7942. <i>Photosynthesis Research</i> , 2016 , 130, 317-324	3.7	5
295	Louis Nico Marie Duysens (March 15, 1921-September 8, 2015): a leading biophysicist of the 20th century. <i>Photosynthesis Research</i> , 2016 , 128, 223-34	3.7	10
294	Andrew A. Benson: personal recollections. <i>Photosynthesis Research</i> , 2016 , 127, 369-78	3.7	7
293	In photosynthesis, oxygen comes from water: from a 1787 book for women by Monsieur De Fourcroy. <i>Photosynthesis Research</i> , 2016 , 129, 105-7	3.7	4
292	Variations between the photosynthetic properties of elite and landrace Chinese rice cultivars revealed by simultaneous measurements of 820 nm transmission signal and chlorophyll a fluorescence induction. <i>Journal of Plant Physiology</i> , 2015 , 177, 128-138	3.6	28
291	Characterization of a Chlamydomonas reinhardtii mutant strain with improved biomass production under low light and mixotrophic conditions. <i>Algal Research</i> , 2015 , 11, 134-147	5	17
290	The Evolution of Photosynthesis and Its Environmental Impact 2015 , 207-230		8
289	Primary electron transfer processes in photosynthetic reaction centers from oxygenic organisms. <i>Photosynthesis Research</i> , 2015 , 125, 51-63	3.7	80

288	Albert W. Frenkel (1919-2015): photosynthesis research pioneer, much-loved teacher, and scholar. <i>Photosynthesis Research</i> , 2015 , 124, 243-7	3.7	2
287	Andrew A. Benson, 1917-2015. <i>Photosynthesis Research</i> , 2015 , 124, 131-5	3.7	15
286	Mitochondrial electron transport protects floating leaves of long leaf pondweed (<i>Potamogeton nodosus</i> Poir) against photoinhibition: comparison with submerged leaves. <i>Photosynthesis Research</i> , 2015 , 125, 305-19	3.7	16
285	Colin A. Wraight. <i>Photosynthetica</i> , 2015 , 53, 478-480	2.2	3
284	The slow S to M rise of chlorophyll a fluorescence reflects transition from state 2 to state 1 in the green alga <i>Chlamydomonas reinhardtii</i> . <i>Photosynthesis Research</i> , 2015 , 125, 219-31	3.7	47
283	Photosynthetic responses of sun- and shade-grown barley leaves to high light: is the lower PSII connectivity in shade leaves associated with protection against excess of light?. <i>Photosynthesis Research</i> , 2014 , 119, 339-54	3.7	166
282	Modeling chlorophyll a fluorescence transient: relation to photosynthesis. <i>Biochemistry (Moscow)</i> , 2014 , 79, 291-323	2.9	108
281	Stories and photographs of William A. Arnold (1904-2001), a pioneer of photosynthesis and a wonderful friend. <i>Photosynthesis Research</i> , 2014 , 122, 87-95	3.7	3
280	The controversy over the minimum quantum requirement for oxygen evolution. <i>Photosynthesis Research</i> , 2014 , 122, 97-112	3.7	13
279	Current challenges in photosynthesis: from natural to artificial. <i>Frontiers in Plant Science</i> , 2014 , 5, 232	6.2	11
278	The Non-Photochemical Quenching of the Electronically Excited State of Chlorophyll a in Plants: Definitions, Timelines, Viewpoints, Open Questions. <i>Advances in Photosynthesis and Respiration</i> , 2014 , 1-44	1.7	23
277	Prasanna K. Mohanty (1934-2013): a great photosynthetiker and a wonderful human being who touched the hearts of many. <i>Photosynthesis Research</i> , 2014 , 122, 235-60	3.7	10
276	Photophysics of Photosynthetic Pigment-Protein Complexes. <i>Advances in Photosynthesis and Respiration</i> , 2014 , 97-128	1.7	8
275	Photosynthesis Web resources. <i>Photosynthesis Research</i> , 2013 , 115, 179-214	3.7	7
274	A 2-(2-hydroxyphenyl)-1H-benzimidazole-manganese oxide hybrid as a promising structural model for the tyrosine 161/histidine 190-manganese cluster in photosystem II. <i>Dalton Transactions</i> , 2013 , 42, 879-84	4.3	38
273	Oxygenic Photosynthesis 2013 , 13-63		9
272	Effects of Salt Stress on Photosystem II Efficiency and CO ₂ Assimilation in Two Syrian Barley Landraces. <i>Advanced Topics in Science and Technology in China</i> , 2013 , 768-772	0.2	1
271	Evolution of the Z-Scheme of Electron Transport in Oxygenic Photosynthesis. <i>Advanced Topics in Science and Technology in China</i> , 2013 , 827-833	0.2	1

270	Improving the Photosynthetic Productivity and Light Utilization in Algal Biofuel Systems: Metabolic and Physiological Characterization of a Potentially Advantageous Mutant of <i>Chlamydomonas Reinhardtii</i> . <i>Advanced Topics in Science and Technology in China</i> , 2013 , 523-527	0.2	
269	Net light-induced oxygen evolution in photosystem I deletion mutants of the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012 , 1817, 792-801	4.6	12
268	The slow S to M fluorescence rise in cyanobacteria is due to a state 2 to state 1 transition. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012 , 1817, 1237-47	4.6	75
267	Biological water oxidation: lessons from nature. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012 , 1817, 1110-21	4.6	76
266	Photosystem II and the unique role of bicarbonate: a historical perspective. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012 , 1817, 1134-51	4.6	96
265	Reactive oxygen species from chloroplasts contribute to 3-acetyl-5-isopropyltetramic acid-induced leaf necrosis of <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2012 , 52, 38-51	5.4	40
264	Experimental in vivo measurements of light emission in plants: a perspective dedicated to David Walker. <i>Photosynthesis Research</i> , 2012 , 114, 69-96	3.7	107
263	Chlorophyll a fluorescence induction: a personal perspective of the thermal phase, the J-I-P rise. <i>Photosynthesis Research</i> , 2012 , 113, 15-61	3.7	201
262	A manganese oxide with phenol groups as a promising structural model for water oxidizing complex in Photosystem II: a 'golden fish'. <i>Dalton Transactions</i> , 2012 , 41, 3906-10	4.3	52
261	Berger C. Mayne (1920-2011): a friend and his contributions to photosynthesis research. <i>Photosynthesis Research</i> , 2012 , 112, 81-9	3.7	
260	Light intensity-dependent modulation of chlorophyll b biosynthesis and photosynthesis by overexpression of chlorophyllide a oxygenase in tobacco. <i>Plant Physiology</i> , 2012 , 159, 433-49	6.6	78
259	Oxygen evolving complex in photosystem II: better than excellent. <i>Dalton Transactions</i> , 2011 , 40, 9076-84.3	4.3	75
258	Adventures with cyanobacteria: a personal perspective. <i>Frontiers in Plant Science</i> , 2011 , 2, 28	6.2	46
257	Effects of salt stress on photosystem II efficiency and CO ₂ assimilation of two Syrian barley landraces. <i>Environmental and Experimental Botany</i> , 2011 , 73, 64-72	5.9	287
256	A tribute to Thomas Roosevelt Punnett, Jr. (1926-2008). <i>Photosynthesis Research</i> , 2011 , 110, 1-7	3.7	4
255	On the relation between the Kautsky effect (chlorophyll a fluorescence induction) and Photosystem II: basics and applications of the OJIP fluorescence transient. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011 , 104, 236-57	6.7	645
254	Photosystem II fluorescence lifetime imaging in avocado leaves: contributions of the lutein-epoxide and violaxanthin cycles to fluorescence quenching. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011 , 104, 271-84	6.7	37
253	Photosystem II fluorescence: slow changes--scaling from the past. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011 , 104, 258-70	6.7	110

252	Photoprotection in the brown alga <i>Macrocystis pyrifera</i> : evolutionary implications. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011 , 104, 377-85	6.7	29
251	From Förster resonance energy transfer to coherent resonance energy transfer and back 2010 ,		20
250	Photosystem II 2010 ,		24
249	Picosecond spectroscopy of the isolated reaction centers from the photosystems of oxygenic photosynthesis--ten years (1987-1997) of fun : a tribute to Michael R. Wasielewski on his 60th birthday. <i>Photosynthesis Research</i> , 2010 , 103, 1-6	3.7	10
248	Photosynthesis online. <i>Photosynthesis Research</i> , 2010 , 105, 167-200	3.7	9
247	Celebrating Andrew Alm Benson's 93rd birthday. <i>Photosynthesis Research</i> , 2010 , 105, 201-8	3.7	16
246	A tribute to Seymour Steven Brody: in memoriam (November 29, 1927 to May 25, 2010). <i>Photosynthesis Research</i> , 2010 , 106, 191-9	3.7	7
245	Overexpression of gamma-tocopherol methyl transferase gene in transgenic <i>Brassica juncea</i> plants alleviates abiotic stress: physiological and chlorophyll a fluorescence measurements. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010 , 1797, 1428-38	4.6	337
244	Spectral characteristic of fluorescence induction in a model cyanobacterium, <i>Synechococcus</i> sp. (PCC 7942). <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009 , 1787, 1170-8	4.6	51
243	Martin Gibbs and the peaceful uses of nuclear radiation, (14)C. <i>Photosynthesis Research</i> , 2009 , 99, 63-80	3.7	2
242	List of biography and history published mostly in <i>Photosynthesis Research</i> , 1988-2008. <i>Photosynthesis Research</i> , 2009 , 99, 139-153	3.7	2
241	A viewpoint: why chlorophyll a?. <i>Photosynthesis Research</i> , 2009 , 99, 85-98	3.7	148
240	A tribute to Achim Trebst, a friend. <i>Photosynthesis Research</i> , 2009 , 100, 113-5	3.7	2
239	Young research investigators honored at the 2008 and 2009 Gordon Research Conferences on photosynthesis: ambiance and a personal perspective. <i>Photosynthesis Research</i> , 2009 , 102, 1-6	3.7	3
238	A NEW GLOW PEAK, IN RHODOPSEUDOMONAS SPHAEROIDES. <i>Photochemistry and Photobiology</i> , 2008 , 25, 119-122	3.6	9
237	Recollections of Thomas John Wydrzynski. <i>Photosynthesis Research</i> , 2008 , 98, 13-31	3.7	8
236	D1-arginine257 mutants (R257E, K, and Q) of <i>Chlamydomonas reinhardtii</i> have a lowered QB redox potential: analysis of thermoluminescence and fluorescence measurements. <i>Photosynthesis Research</i> , 2008 , 98, 449-68	3.7	25
235	Spectral signatures of photosynthesis. II. Coevolution with other stars and the atmosphere on extrasolar worlds. <i>Astrobiology</i> , 2007 , 7, 252-74	3.7	210

234	Fluorescence lifetime imaging microscopy of <i>Chlamydomonas reinhardtii</i> : non-photochemical quenching mutants and the effect of photosynthetic inhibitors on the slow chlorophyll fluorescence transient. <i>Journal of Microscopy</i> , 2007 , 226, 90-120	1.9	55
233	Photosynthesis and the Web: 2008. <i>Photosynthesis Research</i> , 2007 , 91, 107-131	3.7	6
232	The International Society of Photosynthesis Research (ISPR) and its associated International Congress on Photosynthesis (ICP): a pictorial report. <i>Photosynthesis Research</i> , 2007 , 91, 95-106	3.7	5
231	Spectral signatures of photosynthesis. I. Review of Earth organisms. <i>Astrobiology</i> , 2007 , 7, 222-51	3.7	264
230	The two Letters to the editors by Steve Vik and Wolfgang Junge. <i>Photosynthesis Research</i> , 2006 , 87, 229-229	3.7	229
229	Chlorophyll a fluorescence induction kinetics in leaves predicted from a model describing each discrete step of excitation energy and electron transfer associated with Photosystem II. <i>Planta</i> , 2005 , 223, 114-133	4.7	213
228	Discoveries in oxygenic photosynthesis (1727-2003): a perspective. <i>Photosynthesis Research</i> , 2004 , 80, 15-57	3.7	83
227	Celebrating the millennium: historical highlights of photosynthesis research, part 3. <i>Photosynthesis Research</i> , 2004 , 80, 1-13	3.7	13
226	A list of photosynthesis conferences and of edited books in photosynthesis. <i>Photosynthesis Research</i> , 2004 , 80, 447-60	3.7	8
225	Chlorophyll a Fluorescence: A Bit of Basics and History 2004 , 1-41		118
224	Celebrating the millennium - historical highlights of photosynthesis research, Part 2. <i>Photosynthesis Research</i> , 2003 , 76, 1-11	3.7	26
223	Negative feedback regulation is responsible for the non-linear modulation of photosynthetic activity in plants and cyanobacteria exposed to a dynamic light environment. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2003 , 1607, 5-17	4.6	22
222	Characterization of the 820-nm transmission signal paralleling the chlorophyll a fluorescence rise (OJIP) in pea leaves. <i>Functional Plant Biology</i> , 2003 , 30, 785-796	2.7	212
221	Non-photochemical quenching of chlorophyll a fluorescence: early history and characterization of two xanthophyll-cycle mutants of <i>Chlamydomonas reinhardtii</i> . <i>Functional Plant Biology</i> , 2002 , 29, 1141-1155	2.7	42
220	The Early History of "Photosynthetica", "Photosynthesis Research", and their Publishers. <i>Photosynthetica</i> , 2002 , 40, 1-11	2.2	20
219	A list of personal perspectives with selected quotations, along with lists of tributes, historical notes, Nobel and Kettering awards related to photosynthesis. <i>Photosynthesis Research</i> , 2002 , 73, 11-20	3.7	29
218	A role for a light-harvesting antenna complex of photosystem II in photoprotection. <i>Plant Cell</i> , 2002 , 14, 1663-8	11.6	50
217	An <i>Arabidopsis thaliana</i> mutant, altered in the B _{sub} unit of ATP synthase, has a different pattern of intensity-dependent changes in non-photochemical quenching and kinetics of the P-to-S fluorescence decay. <i>Functional Plant Biology</i> , 2002 , 29, 425-434	2.7	17

216	N-Bromosuccinimide modification of tryptophan 241 at the C-terminus of the manganese stabilizing protein of plant photosystem II influences its structure and function. <i>Physiologia Plantarum</i> , 2001 , 111, 108-115	4.6	19
215	Photosynthesis and the web: 2001. <i>Photosynthesis Research</i> , 2001 , 68, 1-28	3.7	9
214	The polyphosphate bodies of <i>Chlamydomonas reinhardtii</i> possess a proton-pumping pyrophosphatase and are similar to acidocalcisomes. <i>Journal of Biological Chemistry</i> , 2001 , 276, 46196-2034	5.4	153
213	Fluorescence Lifetime Imaging (FLI) in Real-Time - a New Technique in Photosynthesis Research. <i>Photosynthetica</i> , 2000 , 38, 581-599	2.2	74
212	Trichloroacetate affects the EPR Signal II slow and Signal I in the thylakoid of <i>Chlamydomonas reinhardtii</i> . <i>Science Bulletin</i> , 2000 , 45, 2162-2168		
211	Global spectral-kinetic analysis of room temperature chlorophyll a fluorescence from light-harvesting antenna mutants of barley. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2000 , 355, 1371-84	5.8	48
210	Greening of intermittent-light-grown bean plants in continuous light: thylakoid components in relation to photosynthetic performance and capacity for photoprotection. <i>Indian Journal of Biochemistry and Biophysics</i> , 2000 , 37, 395-404		12
209	Role of bicarbonate in photosystem II, the water-plastoquinone oxido-reductase of plant photosynthesis. <i>Physiologia Plantarum</i> , 1999 , 105, 585-592	4.6	71
208	On the requirement of minimum number of four versus eight quanta of light for the evolution of one molecule of oxygen in photosynthesis: A historical note. <i>Photosynthesis Research</i> , 1999 , 59, 249-254	3.7	50
207	Light-induced and osmotically-induced changes in chlorophyll a fluorescence in two <i>Synechocystis</i> sp. PCC 6803 strains that differ in membrane lipid unsaturation. <i>Photosynthesis Research</i> , 1999 , 59, 125-136	3.7	7
206	Greening of Peas: Parallel Measurements of 77 K Emission Spectra, OJIP Chlorophyll a Fluorescence Transient, Period Four Oscillation of the Initial Fluorescence Level, Delayed Light Emission, and P700. <i>Photosynthetica</i> , 1999 , 37, 365	2.2	112
205	The Photosynthetic Process 1999 , 11-51		42
204	Carotenoids in Photosynthesis: An Historical Perspective 1999 , 1-19		8
203	A knowledge-based three dimensional model of the Photosystem II reaction center of <i>Chlamydomonas reinhardtii</i> . <i>Photosynthesis Research</i> , 1998 , 56, 229-254	3.7	82
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