Sven B Gould

List of Publications by Year
in descending order

72 papers	5,901 citations	109321 35 h-index	85541 71 g-index
82 all docs	82 docs citations	82 times ranked	5892 citing authors

#	Article	IF	Citations
1	An overview of bioinformatics, genomics, and transcriptomics resources for bryophytes. Journal of Experimental Botany, 2022, 73, 4291-4305.	4.8	11
2	Loss of Plastid Developmental Genes Coincides With a Reversion to Monoplastidy in Hornworts. Frontiers in Plant Science, 2022, 13, 863076.	3.6	6
3	The greening ashore. Trends in Plant Science, 2022, 27, 847-857.	8.8	9
4	Anomalous Phylogenetic Behavior of Ribosomal Proteins in Metagenome-Assembled Asgard Archaea. Genome Biology and Evolution, 2021, 13, .	2.5	18
5	Gene Duplications Trace Mitochondria to the Onset of Eukaryote Complexity. Genome Biology and Evolution, 2021, 13, .	2.5	24
6	The Asgard Archaeal-Unique Contribution to Protein Families of the Eukaryotic Common Ancestor Was 0.3%. Genome Biology and Evolution, 2021, 13, .	2.5	6
7	Evidence for a Syncytial Origin of Eukaryotes from Ancestral State Reconstruction. Genome Biology and Evolution, 2021, 13, .	2.5	15
8	Genetic autonomy and low singlet oxygen yield support kleptoplast functionality in photosynthetic sea slugs. Journal of Experimental Botany, 2021, 72, 5553-5568.	4.8	8
9	Signatures of Transcription Factor Evolution and the Secondary Gain of Red Algae Complexity. Genes, 2021, 12, 1055.	2.4	9
10	Major Changes in Plastid Protein Import and the Origin of the Chloroplastida. IScience, 2020, 23, 100896.	4.1	21
11	Adaptation to life on land at high O ₂ via transition from ferredoxin-to NADH-dependent redox balance. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191491.	2.6	14
12	Reconstructing trait evolution in plant evoâ€“devo studies. Current Biology, 2019, 29, R1110-R1118.	3.9	47
13	Characterization of the BspA and Pmp protein family of trichomonads. Parasites and Vectors, 2019, 12, 406.	2.5	25
14	Nutrient exchange in arbuscular mycorrhizal symbiosis from a thermodynamic point of view. New Phytologist, 2019, 222, 1043-1053.	7.3	19
15	The monoplastidic bottleneck in algae and plant evolution. Journal of Cell Science, 2018, 131, .	2.0	33
16	Intermediate filament protein evolution and protists. Cytoskeleton, 2018, 75, 231-243.	2.0	14
17	The ability to incorporate functional plastids by the sea slug Elysia viridis is governed by its food source. Marine Biology, 2018, 165, 1.	1.5	21
18	Jasmonic and salicylic acid response in the fern <scp>Azolla filiculoides</scp> and its cyanobiont. Plant, Cell and Environment, 2018, 41, 2530-2548.	5.7	40

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19	Embryophyte stress signaling evolved in the algal progenitors of land plants. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3471-E3480.	7.1	164
20	Fern genomes elucidate land plant evolution and cyanobacterial symbioses. Nature Plants, 2018, 4, 460-472.	9.3	391
21	On plant defense signaling networks and early land plant evolution. Communicative and Integrative Biology, 2018, 11, 1-14.	1.4	54
22	The Chara Genome: Secondary Complexity and Implications for Plant Terrestrialization. Cell, 2018, 174, 448-464.e24.	28.9	420
23	The Physiology of Phagocytosis in the Context of Mitochondrial Origin. Microbiology and Molecular Biology Reviews, 2017, 81, .	6.6	84
24	Mitochondrial Genome Assemblies of Elysia timida and Elysia cornigera and the Response of Mitochondrion-Associated Metabolism during Starvation. Genome Biology and Evolution, 2017, 9, 1873-1879.	2.5	9
25	On Being the Right Size as an Animal with Plastids. Frontiers in Plant Science, 2017, 8, 1402.	3.6	15
26	The Carboxy Terminus of YCF1 Contains a Motif Conserved throughout >500 Myr of Streptophyte Evolution. Genome Biology and Evolution, 2017, 9, 473-479.	2.5	14
27	Energy for two: New archaeal lineages and the origin of mitochondria. BioEssays, 2016, 38, 850-856.	2.5	31
28	Bacterial Vesicle Secretion and the Evolutionary Origin of the Eukaryotic Endomembrane System. Trends in Microbiology, 2016, 24, 525-534.	7.7	133
29	The Cytoskeleton of Parabasalian Parasites Comprises Proteins that Share Properties Common to Intermediate Filament Proteins. Protist, 2016, 167, 526-543.	1.5	17
30	The Role of Charge in Protein Targeting Evolution. Trends in Cell Biology, 2016, 26, 894-905.	7.9	82
31	Trichomonas. , 2016, , 115-155.		1
32	Streptophyte Terrestrialization in Light of Plastid Evolution. Trends in Plant Science, 2016, 21, 467-476.	8.8	136
33	Tetrahymena Expresses More than a Hundred Proteins with Lipidâ€binding <scp>MORN</scp> Motifs that can Differ in their Subcellular Localisations. Journal of Eukaryotic Microbiology, 2015, 62, 694-700.	1.7	11
34	Comparison of sister species identifies factors underpinning plastid compatibility in green sea slugs. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142519.	2.6	44
35	Protein Import and the Origin of Red Complex Plastids. Current Biology, 2015, 25, R515-R521.	3.9	83
36	YCF1: A Green TIC?. Plant Cell, 2015, 27, 1827-1833.	6.6	115

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37	Conservation of Transit Peptide-Independent Protein Import into the Mitochondrial and Hydrogenosomal Matrix. Genome Biology and Evolution, 2015, 7, 2716-2726.	2.5	51
38	Why It Is Time to Look Beyond Algal Genes in Photosynthetic Slugs. Genome Biology and Evolution, 2015, 7, 2602-2607.	2.5	28
39	N-Terminal Presequence-Independent Import of Phosphofructokinase into Hydrogenosomes of Trichomonas vaginalis. Eukaryotic Cell, 2015, 14, 1264-1275.	3.4	20
40	The biology of Trichomonas vaginalis in the light of urogenital tract infection. Molecular and Biochemical Parasitology, 2014, 198, 92-99.	1.1	37
41	Switching off photosynthesis. Communicative and Integrative Biology, 2014, 7, e28029.	1.4	18
42	The parasite TrichomonasÂvaginalis expresses thousands of pseudogenes and long non-coding RNAs independently from functional neighbouring genes. BMC Genomics, 2014, 15, 906.	2.8	33
43	A sea slugâ€™s guide to plastid symbiosis. Acta Societatis Botanicorum Poloniae, 2014, 83, 415-421.	0.8	39
44	Plastid survival in the cytosol of animal cells. Trends in Plant Science, 2014, 19, 347-350.	8.8	72
45	Chloroplast incorporation and long-term photosynthetic performance through the life cycle in laboratory cultures of Elysia timida (Sacoglossa, Heterobranchia). Frontiers in Zoology, 2014, 11, 5.	2.0	22
46	Plastid-bearing sea slugs fix CO₂in the light but do not require photosynthesis to survive. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132493.	2.6	54
47	Functional kleptoplasty in a limapontioidean genus: phylogeny, food preferences and photosynthesis inCostasiella, with a focus onC. ocellifera(Gastropoda: Sacoglossa). Journal of Molluscan Studies, 2014, 80, 499-507.	1.2	25
48	Endosymbiotic theory for organelle origins. Current Opinion in Microbiology, 2014, 22, 38-48.	5.1	333
49	Deep sequencing of Trichomonas vaginalis during the early infection of vaginal epithelial cells and amoeboid transition. International Journal for Parasitology, 2013, 43, 707-719.	3.1	76
50	Genomes of Stigonematalean Cyanobacteria (Subsection V) and the Evolution of Oxygenic Photosynthesis from Prokaryotes to Plastids. Genome Biology and Evolution, 2013, 5, 31-44.	2.5	234
51	Knockout of the abundant Trichomonas vaginalis hydrogenosomal membrane protein TvHMP23 increases hydrogenosome size but induces no compensatory upâ€regulation of paralogous copies. FEBS Letters, 2013, 587, 1333-1339.	2.8	8
52	The <scp>N</scp>â€Terminal Sequences of Four Major Hydrogenosomal Proteins Are Not Essential for Import into Hydrogenosomes of <scp>T</scp>richomonas vaginalis. Journal of Eukaryotic Microbiology, 2013, 60, 89-97.	1.7	20
53	Characterization of Tt ALV2, an Essential Charged Repeat Motif Protein of the Tetrahymena thermophila Membrane Skeleton. Eukaryotic Cell, 2013, 12, 932-940.	3.4	17
54	Is ftsH the Key to Plastid Longevity in Sacoglossan Slugs?. Genome Biology and Evolution, 2013, 5, 2540-2548.	2.5	68

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55	The actin-based machinery ofTrichomonas vaginalismediates flagellate-amoeboid transition and migration across host tissue. Cellular Microbiology, 2013, 15, n/a-n/a.	2.1	58
56	A Machine Learning Approach To Identify Hydrogenosomal Proteins in Trichomonas vaginalis. Eukaryotic Cell, 2012, 11, 217-228.	3.4	24
57	Algae's complex origins. Nature, 2012, 492, 46-48.	27.8	16
58	Biochemistry and Evolution of Anaerobic Energy Metabolism in Eukaryotes. Microbiology and Molecular Biology Reviews, 2012, 76, 444-495.	6.6	656
59	Transcriptomic Evidence That Longevity of Acquired Plastids in the Photosynthetic Slugs Elysia timida and Plakobranchus ocellatus Does Not Entail Lateral Transfer of Algal Nuclear Genes. Molecular Biology and Evolution, 2011, 28, 699-706.	8.9	119
60	Red and Problematic Green Phylogenetic Signals among Thousands of Nuclear Genes from the Photosynthetic and Apicomplexa-Related Chromera velia. Genome Biology and Evolution, 2011, 3, 1220-1230.	2.5	75
61	Ciliate Pellicular Proteome Identifies Novel Protein Families with Characteristic Repeat Motifs That Are Common to Alveolates. Molecular Biology and Evolution, 2011, 28, 1319-1331.	8.9	55
62	A Novel Family of Apicomplexan Glideosome-associated Proteins with an Inner Membrane-anchoring Role. Journal of Biological Chemistry, 2009, 284, 25353-25363.	3.4	105
63	ARIADNEâ€™S THREAD: GUIDING A PROTEIN ACROSS FIVE MEMBRANES IN CRYPTOPHYTES¹. Journal of Phycology, 2008, 44, 23-26.	2.3	8
64	Plastid Evolution. Annual Review of Plant Biology, 2008, 59, 491-517.	18.7	597
65	A Malaria Parasite Formin Regulates Actin Polymerization and Localizes to the Parasite-Erythrocyte Moving Junction during Invasion. Cell Host and Microbe, 2008, 3, 188-198.	11.0	105
66	Alveolins, a New Family of Cortical Proteins that Define the Protist Infrakingdom Alveolata. Molecular Biology and Evolution, 2008, 25, 1219-1230.	8.9	184
67	Translocation of a Phycoerythrin Î± Subunit across Five Biological Membranes. Journal of Biological Chemistry, 2007, 282, 30295-30302.	3.4	33
68	Der1-mediated Preprotein Import into the Periplastid Compartment of Chromalveolates?. Molecular Biology and Evolution, 2007, 24, 918-928.	8.9	142
69	Protein targeting into complex diatom plastids: functional characterisation of a specific targeting motif. Plant Molecular Biology, 2007, 64, 519-530.	3.9	181
70	Nature of the Periplastidial Pathway of Starch Synthesis in the Cryptophyte Guillardia theta. Eukaryotic Cell, 2006, 5, 954-963.	3.4	56
71	Protein Targeting into the Complex Plastid of Cryptophytes. Journal of Molecular Evolution, 2006, 62, 674-681.	1.8	94
72	Nucleus-to-Nucleus Gene Transfer and Protein Retargeting into a Remnant Cytoplasm of Cryptophytes and Diatoms. Molecular Biology and Evolution, 2006, 23, 2413-2422.	8.9	80