Sven B Gould

List of Publications by Year
in descending order

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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	Biochemistry and Evolution of Anaerobic Energy Metabolism in Eukaryotes. Microbiology and Molecular Biology Reviews, 2012, 76, 444-495.	6.6	656
2	Plastid Evolution. Annual Review of Plant Biology, 2008, 59, 491-517.	18.7	597
3	The Chara Genome: Secondary Complexity and Implications for Plant Terrestrialization. Cell, 2018, 174, 448-464.e24.	28.9	420
4	Fern genomes elucidate land plant evolution and cyanobacterial symbioses. Nature Plants, 2018, 4, 460-472.	9.3	391
5	Endosymbiotic theory for organelle origins. Current Opinion in Microbiology, 2014, 22, 38-48.	5.1	333
6	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
7	Alveolins, a New Family of Cortical Proteins that Define the Protist Infrakingdom Alveolata. Molecular Biology and Evolution, 2008, 25, 1219-1230.	8.9	184
8	Protein targeting into complex diatom plastids: functional characterisation of a specific targeting motif. Plant Molecular Biology, 2007, 64, 519-530.	3.9	181
9	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
10	Der1-mediated Preprotein Import into the Periplastid Compartment of Chromalveolates?. Molecular Biology and Evolution, 2007, 24, 918-928.	8.9	142
11	Streptophyte Terrestrialization in Light of Plastid Evolution. Trends in Plant Science, 2016, 21, 467-476.	8.8	136
12	Bacterial Vesicle Secretion and the Evolutionary Origin of the Eukaryotic Endomembrane System. Trends in Microbiology, 2016, 24, 525-534.	7.7	133
13	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
14	YCF1: A Green TIC?. Plant Cell, 2015, 27, 1827-1833.	6.6	115
15	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
16	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
17	Protein Targeting into the Complex Plastid of Cryptophytes. Journal of Molecular Evolution, 2006, 62, 674-681.	1.8	94
18	The Physiology of Phagocytosis in the Context of Mitochondrial Origin. Microbiology and Molecular Biology Reviews, 2017, 81, .	6.6	84

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19	Protein Import and the Origin of Red Complex Plastids. Current Biology, 2015, 25, R515-R521.	3.9	83
20	The Role of Charge in Protein Targeting Evolution. Trends in Cell Biology, 2016, 26, 894-905.	7.9	82
21	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
22	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
23	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
24	Plastid survival in the cytosol of animal cells. Trends in Plant Science, 2014, 19, 347-350.	8.8	72
25	Is ftsH the Key to Plastid Longevity in Sacoglossan Slugs?. Genome Biology and Evolution, 2013, 5, 2540-2548.	2.5	68
26	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
27	Nature of the Periplastidial Pathway of Starch Synthesis in the Cryptophyte Guillardia theta. Eukaryotic Cell, 2006, 5, 954-963.	3.4	56
28	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
29	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
30	On plant defense signaling networks and early land plant evolution. Communicative and Integrative Biology, 2018, 11, 1-14.	1.4	54
31	Conservation of Transit Peptide-Independent Protein Import into the Mitochondrial and Hydrogenosomal Matrix. Genome Biology and Evolution, 2015, 7, 2716-2726.	2.5	51
32	Reconstructing trait evolution in plant evoâ€“devo studies. Current Biology, 2019, 29, R1110-R1118.	3.9	47
33	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
34	Jasmonic and salicylic acid response in the fern <scp><i>Azolla filiculoides</i></scp> and its cyanobiont. Plant, Cell and Environment, 2018, 41, 2530-2548.	5.7	40
35	A sea slugâ€™s guide to plastid symbiosis. Acta Societatis Botanicorum Poloniae, 2014, 83, 415-421.	0.8	39
36	The biology of Trichomonas vaginalis in the light of urogenital tract infection. Molecular and Biochemical Parasitology, 2014, 198, 92-99.	1.1	37

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37	Translocation of a Phycoerythrin Î± Subunit across Five Biological Membranes. Journal of Biological Chemistry, 2007, 282, 30295-30302.	3.4	33
38	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
39	The monoplastidic bottleneck in algae and plant evolution. Journal of Cell Science, 2018, 131, .	2.0	33
40	Energy for two: New archaeal lineages and the origin of mitochondria. BioEssays, 2016, 38, 850-856.	2.5	31
41	Why It Is Time to Look Beyond Algal Genes in Photosynthetic Slugs. Genome Biology and Evolution, 2015, 7, 2602-2607.	2.5	28
42	Functional kleptoplasty in a limapontioidean genus: phylogeny, food preferences and photosynthesis in<i>Costasiella</i>, with a focus on<i>C. ocellifera</i>(Gastropoda: Sacoglossa). Journal of Molluscan Studies, 2014, 80, 499-507.	1.2	25
43	Characterization of the BspA and Pmp protein family of trichomonads. Parasites and Vectors, 2019, 12, 406.	2.5	25
44	A Machine Learning Approach To Identify Hydrogenosomal Proteins in Trichomonas vaginalis. Eukaryotic Cell, 2012, 11, 217-228.	3.4	24
45	Gene Duplications Trace Mitochondria to the Onset of Eukaryote Complexity. Genome Biology and Evolution, 2021, 13, .	2.5	24
46	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
47	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
48	Major Changes in Plastid Protein Import and the Origin of the Chloroplastida. IScience, 2020, 23, 100896.	4.1	21
49	The <scp>N</scp>â€Terminal Sequences of Four Major Hydrogenosomal Proteins Are Not Essential for Import into Hydrogenosomes of <i><scp>T</scp>richomonas vaginalis</i>. Journal of Eukaryotic Microbiology, 2013, 60, 89-97.	1.7	20
50	N-Terminal Presequence-Independent Import of Phosphofructokinase into Hydrogenosomes of Trichomonas vaginalis. Eukaryotic Cell, 2015, 14, 1264-1275.	3.4	20
51	Nutrient exchange in arbuscular mycorrhizal symbiosis from a thermodynamic point of view. New Phytologist, 2019, 222, 1043-1053.	7.3	19
52	Switching off photosynthesis. Communicative and Integrative Biology, 2014, 7, e28029.	1.4	18
53	Anomalous Phylogenetic Behavior of Ribosomal Proteins in Metagenome-Assembled Asgard Archaea. Genome Biology and Evolution, 2021, 13, .	2.5	18
54	Characterization of <i>Tt</i> ALV2, an Essential Charged Repeat Motif Protein of the Tetrahymena thermophila Membrane Skeleton. Eukaryotic Cell, 2013, 12, 932-940.	3.4	17

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55	The Cytoskeleton of Parabasalian Parasites Comprises Proteins that Share Properties Common to Intermediate Filament Proteins. Protist, 2016, 167, 526-543.	1.5	17
56	Algae's complex origins. Nature, 2012, 492, 46-48.	27.8	16
57	On Being the Right Size as an Animal with Plastids. Frontiers in Plant Science, 2017, 8, 1402.	3.6	15
58	Evidence for a Syncytial Origin of Eukaryotes from Ancestral State Reconstruction. Genome Biology and Evolution, 2021, 13, .	2.5	15
59	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
60	Intermediate filament protein evolution and protists. Cytoskeleton, 2018, 75, 231-243.	2.0	14
61	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
62	<i>Tetrahymena</i> 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
63	An overview of bioinformatics, genomics, and transcriptomics resources for bryophytes. Journal of Experimental Botany, 2022, 73, 4291-4305.	4.8	11
64	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
65	Signatures of Transcription Factor Evolution and the Secondary Gain of Red Algae Complexity. Genes, 2021, 12, 1055.	2.4	9
66	The greening ashore. Trends in Plant Science, 2022, 27, 847-857.	8.8	9
67	ARIADNEâ€™S THREAD: GUIDING A PROTEIN ACROSS FIVE MEMBRANES IN CRYPTOPHYTES¹. Journal of Phycology, 2008, 44, 23-26.	2.3	8
68	Knockout of the abundant <i>Trichomonas vaginalis</i> hydrogenosomal membrane protein <i>Tv</i>HMP23 increases hydrogenosome size but induces no compensatory upâ€regulation of paralogous copies. FEBS Letters, 2013, 587, 1333-1339.	2.8	8
69	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
70	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
71	Loss of Plastid Developmental Genes Coincides With a Reversion to Monoplastidy in Hornworts. Frontiers in Plant Science, 2022, 13, 863076.	3.6	6
72	Trichomonas. , 2016, , 115-155.		1