

# Scott R Baerson

## List of Publications by Year in descending order

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25  
papers

912  
citations

623734

14  
h-index

580821

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1211  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detoxification and Transcriptome Response in Arabidopsis Seedlings Exposed to the Allelochemical Benzoxazolin-2(3H)-one. <i>Journal of Biological Chemistry</i> , 2005, 280, 21867-21881.	3.4	165
2	Alkylresorcinol Synthases Expressed in <i>Sorghum bicolor</i> Root Hairs Play an Essential Role in the Biosynthesis of the Allelopathic Benzoquinone Sorgoleone. <i>Plant Cell</i> , 2010, 22, 867-887.	6.6	97
3	Sorghum Allelopathy—From Ecosystem to Molecule. <i>Journal of Chemical Ecology</i> , 2013, 39, 142-153.	1.8	96
4	A Functional Genomics Investigation of Allelochemical Biosynthesis in <i>Sorghum bicolor</i> Root Hairs. <i>Journal of Biological Chemistry</i> , 2008, 283, 3231-3247.	3.4	88
5	A novel cytochrome P450 CYP6AB14 gene in <i>Spodoptera litura</i> (Lepidoptera: Noctuidae) and its potential role in plant allelochemical detoxification. <i>Journal of Insect Physiology</i> , 2015, 75, 54-62.	2.0	73
6	Identification of a novel cytochrome P450 CYP321B1 gene from tobacco cutworm ( <i>Spodoptera</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 2017, 24, 235-247.	3.0	56
7	Inferring Roles in Defense from Metabolic Allocation of Rice Diterpenoids. <i>Plant Cell</i> , 2018, 30, 1119-1131.	6.6	55
8	Alkylresorcinol biosynthesis in plants. <i>Plant Signaling and Behavior</i> , 2010, 5, 1286-1289.	2.4	43
9	Functional Characterization of Desaturases Involved in the Formation of the Terminal Double Bond of an Unusual 16:3 <sup>n-7</sup> , 12, 15 Fatty Acid Isolated from <i>Sorghum bicolor</i> Root Hairs. <i>Journal of Biological Chemistry</i> , 2007, 282, 4326-4335.	3.4	39
10	Identification and Functional Analysis of a Novel Cytochrome P450 Gene CYP9A105 Associated with Pyrethroid Detoxification in <i>Spodoptera exigua</i> H <sub>14</sub> bner. <i>International Journal of Molecular Sciences</i> , 2018, 19, 737.	4.1	32
11	A cytochrome P450 <i>CYP71</i> enzyme expressed in <i>Sorghum bicolor</i> root hair cells participates in the biosynthesis of the benzoquinone allelochemical sorgoleone. <i>New Phytologist</i> , 2018, 218, 616-629.	7.3	28
12	Transcription factor OsbZIP49 controls tiller angle and plant architecture through the induction of indoleacetic acid amido synthetases in rice. <i>Plant Journal</i> , 2021, 108, 1346-1364.	5.7	20
13	Investigating sesquiterpene biosynthesis in <i>Ginkgo biloba</i> : molecular cloning and functional characterization of (E,E)-farnesol and $\pm$ -bisabolene synthases. <i>Plant Molecular Biology</i> , 2015, 89, 451-462.	3.9	18
14	Ratoon rice generated from primed parent plants exhibit enhanced herbivore resistance. <i>Plant, Cell and Environment</i> , 2017, 40, 779-787.	5.7	16
15	Two plant-derived aporphinoid alkaloids exert their antifungal activity by disrupting mitochondrial iron-sulfur cluster biosynthesis. <i>Journal of Biological Chemistry</i> , 2017, 292, 16578-16593.	3.4	13
16	Puupehenone, a Marine-Sponge-Derived Sesquiterpene Quinone, Potentiates the Antifungal Drug Caspofungin by Disrupting Hsp90 Activity and the Cell Wall Integrity Pathway. <i>MSphere</i> , 2020, 5, .	2.9	13
17	Probing allelochemical biosynthesis in sorghum root hairs. <i>Plant Signaling and Behavior</i> , 2008, 3, 667-670.	2.4	12
18	A Plethora of Polyketides: Structures, Biological Activities, and Enzymes. <i>ACS Symposium Series</i> , 2007, , 2-14.	0.5	10

#	ARTICLE	IF	CITATIONS
19	Diterpenoids with herbicidal and antifungal activities from hulls of rice ( <i>Oryza sativa</i> ). <i>Food Chemistry</i> , 2019, 136, 104183.	2.2	10
20	Olfactory perception of herbivore-induced plant volatiles elicits counterdefences in larvae of the tobacco cutworm. <i>Functional Ecology</i> , 2021, 35, 384-397.	3.6	10
21	A Functional Genomics Approach for the Identification of Genes Involved in the Biosynthesis of the Allelochemical Sorgoleone. <i>ACS Symposium Series</i> , 2006, , 265-276.	0.5	7
22	<i>In vivo</i> assembly of the sorgoleone biosynthetic pathway and its impact on agroinfiltrated leaves of <i>Nicotiana benthamiana</i> . <i>New Phytologist</i> , 2021, 230, 683-697.	7.3	6
23	New Herbicide Target Sites from Natural Compounds. <i>ACS Symposium Series</i> , 2004, , 151-160.	0.5	3
24	Global Gene Expression Approaches to Mode-of-Action Studies with Natural Product-Based Pesticides. <i>ACS Symposium Series</i> , 2006, , 255-264.	0.5	1
25	Molecular and Biochemical Characterization of Novel Polyketide Synthases Likely to Be Involved in the Biosynthesis of Sorgoleone. <i>ACS Symposium Series</i> , 2007, , 141-151.	0.5	1