

# Peter G Ott

## List of Publications by Year in descending order

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46  
papers

1,170  
citations

394421

19  
h-index

395702

33  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1393  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bio-based resistance inducers for sustainable plant protection against pathogens. <i>Biotechnology Advances</i> , 2015, 33, 994-1004.	11.7	196
2	Transcriptome of silicon-induced resistance against <i>Ralstonia solanacearum</i> in the silicon non-accumulator tomato implicates priming effect. <i>Physiological and Molecular Plant Pathology</i> , 2011, 75, 83-89.	2.5	168
3	Tracking and identification of antibacterial components in the essential oil of <i>Tanacetum vulgare</i> L. by the combination of high-performance thin-layer chromatography with direct bioautography and mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1422, 310-317.	3.7	58
4	Effect-Directed Discovery of Bioactive Compounds Followed by Highly Targeted Characterization, Isolation and Identification, Exemplarily Shown for <i>Solidago virgaurea</i> . <i>Analytical Chemistry</i> , 2016, 88, 8202-8209.	6.5	50
5	Characterization of Volatile Constituents from <i>Origanum onites</i> and Their Antifungal and Antibacterial Activity. <i>Journal of AOAC INTERNATIONAL</i> , 2013, 96, 1200-1208.	1.5	49
6	Effect-directed analysis via hyphenated high-performance thin-layer chromatography for bioanalytical profiling of sunflower leaves. <i>Journal of Chromatography A</i> , 2018, 1533, 213-220.	3.7	35
7	Separation and Identification of Antibacterial Chamomile Components Using OPLC, Bioautography and GC-MS. <i>Medicinal Chemistry</i> , 2012, 8, 85-94.	1.5	33
8	TLC-Direct Bioautography and LC/MS as Complementary Methods in Identification of Antibacterial Agents in Plant Tinctures from the <i>Asteraceae</i> Family. <i>Journal of AOAC INTERNATIONAL</i> , 2015, 98, 857-861.	1.5	32
9	Local early induced resistance of plants as the first line of defence against bacteria. <i>Pest Management Science</i> , 2003, 59, 465-474.	3.4	31
10	Distinction and valorization of 30 root extracts of five goldenrod ( <i>Solidago</i> ) species. <i>Journal of Chromatography A</i> , 2020, 1611, 460602.	3.7	31
11	Antibacterial potential of the <i>Cistus incanus</i> L. phenolics as studied with use of thin-layer chromatography combined with direct bioautography and in situ hydrolysis. <i>Journal of Chromatography A</i> , 2018, 1534, 170-178.	3.7	29
12	Silicon and <i>Ralstonia solanacearum</i> modulate expression stability of housekeeping genes in tomato. <i>Physiological and Molecular Plant Pathology</i> , 2011, 75, 176-179.	2.5	28
13	Bioassay-Guided Isolation and Identification of Antimicrobial Compounds from Thyme Essential Oil by Means of Overpressured Layer Chromatography, Bioautography and GC-MS. <i>Chromatographia</i> , 2012, 75, 991-999.	1.3	26
14	TLC-Direct Bioautography as a Bioassay Guided Method for Investigation of Antibacterial Compounds in <i>Hypericum perforatum</i> L.. <i>Journal of AOAC INTERNATIONAL</i> , 2015, 98, 1013-1020.	1.5	25
15	Discovered acetylcholinesterase inhibition and antibacterial activity of polyacetylenes in tansy root extract via effect-directed chromatographic fingerprints. <i>Journal of Chromatography A</i> , 2018, 1543, 73-80.	3.7	25
16	Comparison of high-performance thin-layer with overpressured layer chromatography combined with direct bioautography and direct analysis in real time mass spectrometry for tansy root. <i>Journal of Chromatography A</i> , 2019, 1603, 355-360.	3.7	24
17	Layer chromatography-bioassays directed screening and identification of antibacterial compounds from Scotch thistle. <i>Journal of Chromatography A</i> , 2017, 1524, 266-272.	3.7	22
18	High-performance thin-layer chromatography hyphenated to high-performance liquid chromatography-diode array detection-mass spectrometry for characterization of coeluting isomers. <i>Talanta</i> , 2020, 219, 121306.	5.5	21

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19	Novel Extracellular Chitinases Rapidly and Specifically Induced by General Bacterial Elicitors and Suppressed by Virulent Bacteria as a Marker of Early Basal Resistance in Tobacco. <i>Molecular Plant-Microbe Interactions</i> , 2006, 19, 161-172.	2.6	20
20	Characterisation of basal resistance (BR) by expression patterns of newly isolated representative genes in tobacco. <i>Plant Cell Reports</i> , 2006, 25, 728-740.	5.6	20
21	Transcriptome analysis of a bacterially induced basal and hypersensitive response of <i>Medicago truncatula</i> . <i>Plant Molecular Biology</i> , 2009, 70, 627-646.	3.9	19
22	Applicability of Preparative Overpressured Layer Chromatography and Direct Bioautography in Search of Antibacterial Chamomile Compounds. <i>Journal of AOAC INTERNATIONAL</i> , 2013, 96, 1214-1221.	1.5	19
23	Overlapping Yet Response-Specific Transcriptome Alterations Characterize the Nature of Tobacco- <i>Pseudomonas syringae</i> Interactions. <i>Frontiers in Plant Science</i> , 2016, 7, 251.	3.6	19
24	Comparison of Components from Red and White Wines for Antimicrobial Activity by Biodetection after OPLC Separation. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009, 32, 1259-1272.	1.0	16
25	Bioactive clerodane diterpenes of giant goldenrod ( <i>Solidago gigantea</i> Ait.) root extract. <i>Journal of Chromatography A</i> , 2021, 1635, 461727.	3.7	16
26	Pattern Triggered Immunity (PTI) in Tobacco: Isolation of Activated Genes Suggests Role of the Phenylpropanoid Pathway in Inhibition of Bacterial Pathogens. <i>PLoS ONE</i> , 2014, 9, e102869.	2.5	15
27	Potential role of formaldehyde in the mechanism of action of ascorbigens on the basis of BioArena studies. <i>Biomedical Chromatography</i> , 2009, 23, 412-418.	1.7	14
28	Thin-layer chromatographic quantification of magnolol and honokiol in dietary supplements and selected biological properties of these preparations. <i>Journal of Chromatography A</i> , 2020, 1625, 461230.	3.7	13
29	Goldenrod Root Compounds Active against Crop Pathogenic Fungi. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 12686-12694.	5.2	13
30	BioArena Studies: Unique Function of Endogenous Formaldehyde and Ozone in the Antibiotic Effect – A Review. <i>Medicinal Chemistry</i> , 2012, 8, 75-84.	1.5	12
31	Direct Bioautography as a High-Throughput Screening Method for the Detection of Antibacterial Components from Plant Sources. <i>Journal of AOAC INTERNATIONAL</i> , 2015, 98, 850-856.	1.5	12
32	Antibacterial potential of the phenolics extracted from the <i>Paulownia tomentosa</i> L. leaves as studied with use of high-performance thin-layer chromatography combined with direct bioautography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2019, 42, 282-289.	1.0	11
33	BioArena System for Knowing and Understanding the Biological World: A Review with New Experimental Results. <i>Journal of AOAC INTERNATIONAL</i> , 2013, 96, 1189-1199.	1.5	10
34	Separation and detection of bioactive essential oil components by overpressured layer chromatography coupled with bioactivity tests. <i>Journal of Planar Chromatography - Modern TLC</i> , 2017, 30, 121-125.	1.2	7
35	Acetylcholinesterase inhibitors in the giant goldenrod root. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1185, 123004.	2.3	7
36	High-performance thin-layer chromatography – antibacterial assay first reveals bioactive clerodane diterpenes in giant goldenrod ( <i>Solidago gigantea</i> Ait.). <i>Journal of Chromatography A</i> , 2022, 1677, 463308.	3.7	7

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37	Biological Characterization of Ingredients in OPLC-BioArena-Greenhouse-System: Unique Reactions of Endogenous HCHO and O <sub>3</sub> in In Vitro and In Vivo Conditions. <i>Chromatographia</i> , 2012, 75, 983-990.	1.3	6
38	Detection and Identification of Antibacterial and Antioxidant Components of Essential Oils by TLC-Biodetection and GC-MS. <i>Natural Product Communications</i> , 2016, 11, 1934578X1601101.	0.5	6
39	Bioassay-guided detection and identification of an antibacterial compound from greater burdock. <i>Journal of Planar Chromatography - Modern TLC</i> , 2018, 31, 87-91.	1.2	5
40	Separation and detection of apricot leaf triterpenes by high-performance thin-layer chromatography combined with direct bioautography and mass spectrometry. <i>Journal of Chromatography A</i> , 2022, 1675, 463167.	3.7	5
41	Rapid, Bioassay-Guided Process for the Detection and Identification of Antibacterial Neem Oil Compounds. <i>Journal of Chromatographic Science</i> , 2016, 54, 1084-1089.	1.4	4
42	Investigation of antibacterial and cytotoxic potential of phenolics derived from <i>Cistus incanus</i> L. by means of thin-layer chromatography-direct bioautography and cytotoxicity assay. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2018, 41, 349-357.	1.0	4
43	Hr-Positive Phenotype of the <i>Pseudomonas syringae</i> pv. <i>syringae</i> hrpK Mutant and hrp Gene Superinduction in Tobacco Leaves Treated with Protein Synthesis Inhibitors. <i>Developments in Plant Pathology</i> , 1997, , 122-126.	0.1	3
44	The Mechanism of Symptomless Reaction of Plants Induced by Pathogenic <i>Pseudomonads</i> . <i>Developments in Plant Pathology</i> , 1997, , 127-132.	0.1	2
45	Enzymic Methylation of Ascorbigen and Demethylation of Its N-Methyl Derivative by <i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i> Bacteria. <i>Chromatographia</i> , 2012, 75, 1001-1007.	1.3	1
46	STUDY OF TRACE ELEMENTS IN BIOARENA SYSTEM AND IN IN VIVO CONDITIONS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2014, 37, 2857-2871.	1.0	1