

Essam A Abdel-Sattar

List of Publications by Year in descending order

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114
papers

2,233
citations

201674

27
h-index

289244

40
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118
all docs

118
docs citations

118
times ranked

2864
citing authors

#	ARTICLE	IF	CITATIONS
1	Cheminformatics Application in the Phytochemical and Biological Study of <i>Eucalyptus globulus</i> L. Bark as a Potential Hepatoprotective Drug. ACS Omega, 2022, 7, 7945-7956.	3.5	3
2	Russelioside B: a Pregnane Glycoside with Pharmacological Potential. Revista Brasileira De Farmacognosia, 2022, 32, 188-200.	1.4	4
3	Arabinosides A-D, pregnane glycosides isolated from <i>Caralluma arabica</i> . Tetrahedron, 2022, 119, 132858.	1.9	4
4	A comparative study on the metabolites profiling of linseed cakes from Egyptian cultivars and antioxidant activity applying mass spectrometry-based analysis and chemometrics. Food Chemistry, 2022, 395, 133524.	8.2	4
5	Genetic diversity, LC-ESI-MS chemical profile and in vivo antitumor activity of three Egyptian soybean cultivars. Natural Product Research, 2021, 35, 135-139.	1.8	1
6	Evaluation of antidiabetic activity of <i>Morus nigra</i> L. and <i>Bauhinia variegata</i> L. leaves as Egyptian remedies used for the treatment of diabetes. Natural Product Research, 2021, 35, 829-835.	1.8	20
7	Russelioside B; A pregnane glycoside for treatment of gastric ulcer via modulation of heat shock protein-70 and vascular endothelial growth factor. Steroids, 2021, 165, 108759.	1.8	20
8	Biological and Chemical Assessment of <i>Ochrosia elliptica</i> Labill Leaves. Arabian Journal for Science and Engineering, 2021, 46, 5247-5255.	3.0	2
9	Methanolic extracts of a selected Egyptian <i>Vicia faba</i> cultivar mitigate the oxidative/inflammatory burden and afford neuroprotection in a mouse model of Parkinson's disease. Inflammopharmacology, 2021, 29, 221-235.	3.9	12
10	A mechanistic study of <i>Solenostemma argel</i> as anti-rheumatic agent in relation to its metabolite profile using UPLC/HRMS. Journal of Ethnopharmacology, 2021, 265, 113341.	4.1	11
11	Metabolic Profiling of the Oil of Sesame of the Egyptian Cultivar "Giza 32" Employing LC-MS and Tandem MS-Based Untargeted Method. Foods, 2021, 10, 298.	4.3	16
12	Therapeutic potential of russelioside B as anti-arthritis agent in Freund's adjuvant-induced arthritis in rats. Journal of Ethnopharmacology, 2021, 270, 113779.	4.1	13
13	Unravelling the anthelmintic bioactives from <i>Jasminum grandiflorum</i> L. subsp. <i>Floribundum</i> adopting in vitro biological assessment. Journal of Ethnopharmacology, 2021, 275, 114083.	4.1	11
14	Bioguided Isolation of Antibiofilm and Antibacterial Pregnane Glycosides from <i>Caralluma quadrangula</i> : Disarming Multidrug-Resistant Pathogens. Antibiotics, 2021, 10, 811.	3.7	16
15	New Pregnane Glycosides Isolated from <i>Caralluma hexagona</i> Lavranos as Inhibitors of α -Glucosidase, Pancreatic Lipase, and Advanced Glycation End Products Formation. ACS Omega, 2021, 6, 18881-18889.	3.5	12
16	Anti-inflammatory activity of <i>Jasminum grandiflorum</i> L. subsp. <i>floribundum</i> (Oleaceae) in inflammatory bowel disease and arthritis models. Biomedicine and Pharmacotherapy, 2021, 140, 111770.	5.6	12
17	Chemical and biological investigations of <i>Limonium axillare</i> reveal mechanistic evidence for its antidiabetic activity. PLoS ONE, 2021, 16, e0255904.	2.5	3
18	Gastroprotective effect of mucilage fraction from <i>Solenostemma argel</i> via cytoprotection and attenuation of oxidative stress, inflammation and apoptosis. Journal of HerbMed Pharmacology, 2021, 10, 232-240.	0.9	6

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19	Cytotoxicity, genotoxicity, and gene expression changes induced by methanolic extract of <i>Moringa stenopetala</i> leaf with LC-qTOF-MS metabolic profile. <i>Toxicol</i> , 2021, 203, 40-50.	1.6	7
20	Pregnane glycoside from <i>Huernia saudi-arabica</i> as latent schistosomicidal mediator. <i>Natural Product Research</i> , 2020, 34, 311-316.	1.8	2
21	In vitro anti-hypertensive activity of <i>Jasminum grandiflorum</i> subsp. <i>floribundum</i> (Oleaceae) in relation to its metabolite profile as revealed via UPLC-HRMS analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1158, 122334.	2.3	8
22	Comparative metabolite profiling and antioxidant potentials of seeds and sprouts of three Egyptian cultivars of <i>Vicia faba</i> L.. <i>Food Research International</i> , 2020, 136, 109537.	6.2	29
23	Anti-inflammatory and antioxidant effects of <i>Apium graveolens</i> L. extracts mitigate against fatal acetaminophen-induced acute liver toxicity. <i>Journal of Food Biochemistry</i> , 2020, 44, e13399.	2.9	6
24	Black mulberry fruit extract alleviates streptozotocin-induced diabetic nephropathy in rats: targeting TNF- α inflammatory pathway. <i>Journal of Pharmacy and Pharmacology</i> , 2020, 72, 1615-1628.	2.4	15
25	<i>Hibiscus sabdariffa</i> L.: A potent natural neuroprotective agent for the prevention of streptozotocin-induced Alzheimer's disease in mice. <i>Biomedicine and Pharmacotherapy</i> , 2020, 128, 110303.	5.6	45
26	The protective effect of <i>Sophora japonica</i> on prostatic hypertrophy and inflammation in rat. <i>Inflammopharmacology</i> , 2020, 28, 1525-1536.	3.9	9
27	Preparation of Lignan-Rich Extract from the Aerial Parts of <i>Phyllanthus niruri</i> Using Nonconventional Methods. <i>Molecules</i> , 2020, 25, 1179.	3.8	10
28	Antimalarial alkaloid from <i>Hypoestes forskalii</i> . <i>Experimental Parasitology</i> , 2020, 211, 107851.	1.2	5
29	New pregnane glycosides from <i>Caralluma hexagona</i> Lavranos and their in vitro α -glucosidase and pancreatic lipase inhibitory effects. <i>Phytochemistry Letters</i> , 2020, 36, 49-57.	1.2	8
30	New calogenin pregnane glycoside derivative from <i>Huernia saudi-arabica</i> and its Lipase and α -Glucosidase Inhibitory Activities. <i>Biomedicine and Pharmacotherapy</i> , 2020, 127, 110143.	5.6	8
31	Evaluation of the Anti-inflammatory and Antioxidant Activities of Selected Resin Exudates. , 2020, 4, 255-261.		3
32	Biological activities, isolated compounds and HPLC profile of <i>Verbascum nubicum</i> . <i>Pharmaceutical Biology</i> , 2019, 57, 485-497.	2.9	23
33	Phenolic Compounds from Sesame Cake and Antioxidant Activity: A New Insight for Agri-Food Residues' Significance for Sustainable Development. <i>Foods</i> , 2019, 8, 432.	4.3	42
34	Anti-obesity effect of argel (<i>Solenostemma argel</i>) on obese rats fed a high fat diet. <i>Journal of Ethnopharmacology</i> , 2019, 238, 111893.	4.1	35
35	In-vitro screening of selected traditional medicinal plants for their anti-obesity and anti-oxidant activities. <i>South African Journal of Botany</i> , 2019, 123, 43-50.	2.5	35
36	Role Phytochemicals Play in the Activation of Antioxidant Response Elements (AREs) and Phase II Enzymes and Their Relation to Cancer Progression and Prevention. <i>Studies in Natural Products Chemistry</i> , 2019, 60, 345-369.	1.8	7

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37	Proanthocyanidins rich extract of <i>Calligonum comosum</i> ameliorates doxorubicin-induced immunosuppression and hepatorenal toxicity. <i>Pharmacognosy Magazine</i> , 2019, 15, 545.	0.6	3
38	Optimization of linseed cultivation, a promising way to enhance its secoisolariciresinol diglucoside lignan content. <i>International Journal of Research in Pharmaceutical Sciences</i> , 2019, 10, 1698-1710.	0.1	0
39	Red onion scales ameliorated streptozotocin-induced diabetes and diabetic nephropathy in Wistar rats in relation to their metabolite fingerprint. <i>Diabetes Research and Clinical Practice</i> , 2018, 140, 253-264.	2.8	53
40	<i>In vitro</i> antiprotozoal activity of some medicinal plants against sleeping sickness, Chagas disease and leishmaniasis. <i>Future Medicinal Chemistry</i> , 2018, 10, 2607-2617.	2.3	6
41	Anti-inflammatory activity of <i>Kleinia odora</i> . <i>European Journal of Integrative Medicine</i> , 2018, 23, 64-69.	1.7	9
42	Pharmacological Action of a Pregnane Glycoside, Russelioside B, in Dietary Obese Rats: Impact on Weight Gain and Energy Expenditure. <i>Frontiers in Pharmacology</i> , 2018, 9, 990.	3.5	27
43	Polyphenols LC-MS2 profile of Ajwa date fruit (<i>Phoenix dactylifera</i> L.) and their microemulsion: Potential impact on hepatic fibrosis. <i>Journal of Functional Foods</i> , 2018, 49, 401-411.	3.4	21
44	Cytotoxicity of abietane diterpenoids from <i>Salvia multicaulis</i> towards multidrug-resistant cancer cells. <i>FÄ-toterapÄ-Äç</i> , 2018, 130, 54-60.	2.2	18
45	Inter simple sequence repeat analysis of genetic diversity and relationship in four egyptian flaxseed genotypes. <i>Pharmacognosy Research (discontinued)</i> , 2018, 10, 166.	0.6	7
46	Antiprotozoal activity of major constituents from the bioactive fraction of <i>Verbesina encelioides</i> . <i>Natural Product Research</i> , 2017, 31, 676-680.	1.8	10
47	Antihyperglycemic activity of <i>Caralluma quadrangula</i> in streptozotocin-induced diabetic rats. <i>Bulletin of Faculty of Pharmacy, Cairo University</i> , 2017, 55, 269-272.	0.3	6
48	Role of Dietary Supplements in Cardiovascular Diseases. , 2017, , 193-246.		0
49	Stachaegyptin A-C: Neo-clerodane diterpenes from <i>Stachys aegyptiaca</i> . <i>Phytochemistry Letters</i> , 2017, 21, 151-156.	1.2	4
50	Lipoic acid and <i>Calligonum comosum</i> attenuate aroclor 1260-induced testicular toxicity in adult rats. <i>Environmental Toxicology</i> , 2017, 32, 1147-1157.	4.0	9
51	Medicinal Plants and Natural Active Compounds for Cancer Chemoprevention/Chemotherapy. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017, 2017, 1-2.	1.2	29
52	Antidepressant-Like Effect of Selected Egyptian Cultivars of Flaxseed Oil on a Rodent Model of Postpartum Depression. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017, 2017, 1-15.	1.2	12
53	Chemical and Biological Investigation of <i>Ochrosia elliptica</i> Labill. Cultivated in Egypt. <i>Records of Natural Products</i> , 2017, 11, 552-557.	1.3	12
54	Microwave-assisted extraction as an alternative tool for extraction of <i>Stachys aegyptiaca</i> essential oil. <i>Egyptian Pharmaceutical Journal(Egypt)</i> , 2017, 16, 98.	0.4	2

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55	Hepatoprotective Effect and Chemical Assessment of a Selected Egyptian Chickpea Cultivar. <i>Frontiers in Pharmacology</i> , 2016, 7, 344.	3.5	18
56	Russelloside B, a pregnane glycoside ameliorates hyperglycemia in streptozotocin induced diabetic rats by regulating key enzymes of glucose metabolism. <i>Chemico-Biological Interactions</i> , 2016, 252, 47-53.	4.0	19
57	Kinetic and Thermodynamics studies for Castor Oil Extraction Using Subcritical Water Technology. <i>Journal of Oleo Science</i> , 2016, 65, 477-485.	1.4	5
58	Isolation of major phenolics from <i>Launaea spinosa</i> and their protective effect on HepG2 cells damaged with BHP. <i>Pharmaceutical Biology</i> , 2016, 54, 536-541.	2.9	15
59	Effect of <i>Viscum schimperi</i> on advanced glycation endproducts formation. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2016, 29, 2307-2316.	0.2	1
60	<i>Calligonum comosum</i> extract inhibits diethylnitrosamine-induced hepatocarcinogenesis in rats. <i>Oncology Letters</i> , 2015, 10, 716-722.	1.8	24
61	Mechanistic Evidence of <i>Viscum schimperi</i> (Viscaceae) Antihyperglycemic Activity: From a Bioactivity-guided Approach to Comprehensive Metabolite Profiling. <i>Phytotherapy Research</i> , 2015, 29, 1737-1743.	5.8	9
62	Anti-inflammatory activity of flavonoids from <i>Chrozophora tinctoria</i> . <i>Phytochemistry Letters</i> , 2015, 13, 74-80.	1.2	45
63	A new triterpene and protective effect of <i>Periploca somaliensis</i> Browicz fruits against CCl ₄ -induced injury on human hepatoma cell line (Huh7). <i>Natural Product Research</i> , 2015, 29, 423-429.	1.8	9
64	Chemical Constituents from the Leaves of <i>Euphorbia ammak</i> Growing in Saudi Arabia. <i>Pharmacognosy Research (discontinued)</i> , 2015, 7, 14.	0.6	13
65	Profiling of phenolic and other compounds from Egyptian cultivars of chickpea (<i>Cicer arietinum</i> L.) and antioxidant activity: a comparative study. <i>RSC Advances</i> , 2015, 5, 17751-17767.	3.6	70
66	Methanolic extract of <i>Marrubium vulgare</i> ameliorates hyperglycemia and dyslipidemia in streptozotocin-induced diabetic rats. <i>International Journal of Diabetes Mellitus</i> , 2015, 3, 37-44.	0.6	78
67	Protective effect of <i>Calligonum comosum</i> on haloperidol-induced oxidative stress in rat. <i>Toxicology and Industrial Health</i> , 2014, 30, 147-153.	1.4	34
68	Antihyperglycemic and antihyperlipidemic effects of the methanol extracts of <i>Cleome ramosissima</i> Parl., <i>Barleria bispinosa</i> (Forssk.) Vahl. and <i>Tribulus macropterus</i> Boiss.. <i>Bulletin of Faculty of Pharmacy, Cairo University</i> , 2014, 52, 1-7.	0.3	3
69	Evaluation of Some Medicinal Plants in Controlling <i>Culex Pipiens</i> . <i>Journal of the Egyptian Society of Parasitology</i> , 2014, 44, 771-778.	0.2	5
70	Antihyperglycemic activity of <i>Caralluma tuberculata</i> in streptozotocin-induced diabetic rats. <i>Food and Chemical Toxicology</i> , 2013, 59, 111-117.	3.6	33
71	Evaluation and characterization of the immunomodulatory activity of the protein extract from <i>Citrullus colocynthis</i> L.. <i>Food and Agricultural Immunology</i> , 2013, 24, 47-57.	1.4	1
72	Protective effect of <i>Echinops galalensis</i> against CCl ₄ -induced injury on the human hepatoma cell line (Huh7). <i>Phytochemistry Letters</i> , 2013, 6, 73-78.	1.2	18

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73	Screening of immunomodulatory activity of total and protein extracts of some Moroccan medicinal plants. <i>Toxicology and Industrial Health</i> , 2013, 29, 245-253.	1.4	41
74	Acylated pregnane glycosides from <i>Caralluma quadrangula</i> . <i>Phytochemistry</i> , 2013, 88, 54-60.	2.9	29
75	Chemical constituents from <i>Solanum glabratum</i> Dunal var. <i>sepicula</i> . <i>Planta Medica</i> , 2013, 79, .	1.3	1
76	In vitro Antioxidant Potential and Antiprotozoal Activity of Methanolic Extract of <i>Mentha longifolia</i> and <i>Origanum syriacum</i> . <i>Journal of Biological Sciences</i> , 2013, 13, 207-216.	0.3	7
77	Evaluation of the Potential Cardioprotective Activity of Some Saudi Plants against Doxorubicin Toxicity. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2012, 67, 297-307.	1.4	19
78	Antioxidant and cardioprotective activity of <i>Stachys schimperii</i> Vatke against doxorubicin-induced cardiotoxicity. <i>Bulletin of Faculty of Pharmacy, Cairo University</i> , 2012, 50, 41-47.	0.3	4
79	In vitro cytotoxic screening of selected Saudi medicinal plants. <i>Journal of Natural Medicines</i> , 2012, 66, 406-412.	2.3	67
80	Acaricidal activity of <i>Swietenia mahogany</i> and <i>Swietenia macrophylla</i> ethanolic extracts against <i>Varroa destructor</i> in honeybee colonies. <i>Experimental Parasitology</i> , 2012, 130, 166-170.	1.2	17
81	In vitro anti-influenza virus activity of a cardiotonic glycoside from <i>Adenium obesum</i> (Forssk.). <i>Phytomedicine</i> , 2012, 19, 111-114.	5.3	24
82	Evaluation of the Potential Cardioprotective Activity of Some Saudi Plants against Doxorubicin Toxicity. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2012, 67, 0297.	1.4	8
83	Antihyperglycaemic and hypolipidaemic effects of the methanolic extract of <i>Caralluma tuberculata</i> in streptozotocin-induced diabetic rats. <i>Natural Product Research</i> , 2011, 25, 1171-1179.	1.8	27
84	HCV-NS3/4A Protease Inhibitory Iridoid Glucosides and Dimeric Foliamenthoic Acid Derivatives from <i>Anarrhinum orientale</i> . <i>Journal of Natural Products</i> , 2011, 74, 943-948.	3.0	14
85	Anti-inflammatory and antiproliferative activities of date palm pollen (<i>Phoenix dactylifera</i>) on experimentally-induced atypical prostatic hyperplasia in rats. <i>Journal of Inflammation</i> , 2011, 8, 40.	3.4	47
86	Antihyperglycemic and hypolipidaemic effects of the methanolic extract of Saudi mistletoe (<i>Viscum</i>)	9.5	14
87	Protective effect of bilberry (<i>Vaccinium myrtillus</i>) against doxorubicin-induced oxidative cardiotoxicity in rats. <i>Medical Science Monitor</i> , 2011, 17, BR110-BR115.	1.1	29
88	In Vitro activities of plant extracts from Saudi Arabia against malaria, leishmaniasis, sleeping sickness and Chagas disease. <i>Phytotherapy Research</i> , 2010, 24, 1322-1328.	5.8	57
89	Cranberry (<i>Vaccinium macrocarpon</i>) protects against doxorubicin-induced cardiotoxicity in rats. <i>Food and Chemical Toxicology</i> , 2010, 48, 1178-1184.	3.6	91
90	Mechanisms of the antihyperglycemic activity of <i>Retama raetam</i> in streptozotocin-induced diabetic rats. <i>Food and Chemical Toxicology</i> , 2010, 48, 2448-2453.	3.6	45

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91	Chemical composition, insecticidal and insect repellent activity of <i>Schinus molle</i> L. leaf and fruit essential oils against <i>Trogoderma granarium</i> and <i>Tribolium castaneum</i> . <i>Natural Product Research</i> , 2010, 24, 226-235.	1.8	77
92	Antihepatotoxic effect of <i>marrubium vulgare</i> and <i>withania somnifera</i> extracts on carbon tetrachloride-induced hepatotoxicity in rats. <i>Journal of Basic and Clinical Pharmacy</i> , 2010, 1, 247-54.	9.3	14
93	New sulphide derivative from <i>Ferula rutabensis</i> . <i>Natural Product Research</i> , 2009, 23, 861-865.	1.8	8
94	Chemical and Biological Investigation of <i>Araucaria heterophylla</i> Salisb. Resin. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2009, 64, 819-823.	1.4	21
95	Antitrypanosomal activity of some pregnane glycosides isolated from <i>Caralluma</i> species. <i>Phytomedicine</i> , 2009, 16, 659-664.	5.3	26
96	Antiplasmodial and antitrypanosomal activity of plants from the Kingdom of Saudi Arabia. <i>Journal of Natural Medicines</i> , 2009, 63, 232-239.	2.3	50
97	Iridoid glycosides from <i>Barleria trispinosa</i> . <i>Natural Product Research</i> , 2009, 23, 903-908.	1.8	13
98	Acylated pregnane glycosides from <i>Caralluma tuberculata</i> and their antiparasitic activity. <i>Phytochemistry</i> , 2008, 69, 2180-2186.	2.9	65
99	Protodioscin and Pseudoprotodioscin From <i>Solanum intrusum</i> . <i>Research Journal of Phytochemistry</i> , 2008, 2, 100-105.	0.1	10
100	Acylated pregnane glycosides from <i>Caralluma russeliana</i> . <i>Phytochemistry</i> , 2007, 68, 1459-1463.	2.9	44
101	Phenylalkylamine alkaloids from <i>Stapelia hirsuta</i> L.. <i>Natural Product Research</i> , 2006, 20, 710-714.	1.8	10
102	New Oxypregnane Glycosides from <i>Caralluma penicillata</i> . <i>Planta Medica</i> , 2002, 68, 430-434.	1.3	31
103	Saponin Glycosides from <i>Osteospermum vaillantii</i> . <i>Pharmaceutical Biology</i> , 2001, 39, 440-444.	2.9	4
104	Minor Alicyclic Diterpene Acids from <i>Conyza incana</i> . <i>Monatshefte für Chemie</i> , 2001, 132, 1095-1099.	1.8	7
105	Penicillosides ¹⁴ C, C-15 oxypregnane glycosides from <i>Caralluma penicillata</i> . <i>Phytochemistry</i> , 2001, 57, 1213-1217.	2.9	35
106	cis-Parthenolid-9-one from <i>Anvilleagarcinii</i> . <i>Journal of Natural Products</i> , 2000, 63, 1587-1589.	3.0	12
107	Pregnane Glycosides from <i>Caralluma russeliana</i> . <i>Journal of Natural Products</i> , 2000, 63, 1451-1453.	3.0	66
108	Iridoids from <i>Teucrium yemense</i> . <i>Archives of Pharmacal Research</i> , 1998, 21, 785-786.	6.3	10

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109	Diterpene acids from <i>Conyza incana</i> . <i>Phytochemistry</i> , 1998, 48, 159-163.	2.9	18
110	Antitumor Germacranolides from <i>Anvillea garcinii</i> . <i>Journal of Natural Products</i> , 1996, 59, 403-405.	3.0	49
111	New Sulfides from <i>Ferula rutabensis</i> . <i>International Journal of Pharmacognosy</i> , 1996, 34, 189-193.	0.2	15
112	Caffeoyl Derivatives from the Seeds of <i>Ipomoea fistulosa</i> . <i>International Journal of Pharmacognosy</i> , 1995, 33, 155-158.	0.2	4
113	Comparative Rodenticide Activity of Three Agro Waste Materials in Combat of <i>Rattus norvegicus</i> Under Laboratory Conditions. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 0, , 1.	1.0	0
114	Anti-Inflammatory Activity of Selected Plants from Saudi Arabia. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 0, 69c, 1-9.	1.4	7