

Matthias Heydenreich

List of Publications by Year in descending order

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201658

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times ranked

2583
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#	ARTICLE	IF	CITATIONS
1	Phosphorylation of C6- and C3-positions of glucosyl residues in starch is catalysed by distinct dikinases. <i>FEBS Letters</i> , 2006, 580, 4872-4876.	2.8	168
2	Self-Assembly into Multicompartment Micelles and Selective Solubilization by Hydrophilic ⁺ Lipophilic ⁻ Fluorophilic Block Copolymers. <i>Macromolecules</i> , 2011, 44, 2092-2105.	4.8	105
3	Anti-plasmodial flavonoids from the stem bark of <i>Erythrina abyssinica</i> . <i>Phytochemistry</i> , 2004, 65, 3029-3032.	2.9	93
4	Hyperphosphorylation of Glucosyl C6 Carbons and Altered Structure of Glycogen in the Neurodegenerative Epilepsy Lafora Disease. <i>Cell Metabolism</i> , 2013, 17, 756-767.	16.2	80
5	Synthesis and conformational analysis of naphth[1 ⁺ ,2 ⁺ :5,6][1,3]oxazino[3,2-c][1,3]benzoxazine and naphth[1 ⁺ ,2 ⁺ :5,6][1,3]oxazino[3,4-c][1,3]benzoxazine derivatives. <i>Tetrahedron</i> , 2006, 62, 11081-11089.	1.9	70
6	Two prenylated flavanones from stem bark of <i>Erythrina burttii</i> . <i>Phytochemistry</i> , 1998, 48, 1439-1443.	2.9	64
7	Anti-plasmodial activities and X-ray crystal structures of rotenoids from <i>Millettia usaramensis</i> subspecies <i>usaramensis</i> . <i>Phytochemistry</i> , 2003, 64, 773-779.	2.9	62
8	Flavonoids and Isoflavonoids with Antiplasmodial Activities from the Root Bark of <i>Erythrina abyssinica</i> . <i>Planta Medica</i> , 2003, 69, 658-661.	1.3	59
9	Antiplasmodial Flavonoids from <i>Erythrina sacleuxii</i> . <i>Planta Medica</i> , 2006, 72, 187-189.	1.3	53
10	Glycopolymer vesicles with an asymmetric membrane. <i>Chemical Communications</i> , 2009, , 1478.	4.1	53
11	Cytotoxicity of isoflavones and biflavonoids from <i>Ormocarpum kirkii</i> towards multi-factorial drug resistant cancer. <i>Phytomedicine</i> , 2019, 58, 152853.	5.3	45
12	Four isoflavones from the stem bark of <i>erythrina sacleuxii</i> . <i>Phytochemistry</i> , 1998, 49, 247-249.	2.9	40
13	Three isoflav-3-enes and a 2-arylbenzofuran from the root bark of <i>Erythrina burttii</i> . <i>Phytochemistry</i> , 2002, 59, 337-341.	2.9	40
14	Effect of rotenoids from the seeds of <i>Millettia dura</i> on larvae of <i>Aedes aegypti</i> . <i>Pest Management Science</i> , 2003, 59, 1159-1161.	3.4	40
15	Two isoflavanones from the stem bark of <i>Erythrina sacleuxii</i> . <i>Phytochemistry</i> , 2000, 55, 457-459.	2.9	39
16	Antimicrobial flavonoids and diterpenoids from <i>Dodonaea angustifolia</i> . <i>South African Journal of Botany</i> , 2014, 91, 58-62.	2.5	37
17	“Schizophrenic” self-assembly of dual thermoresponsive block copolymers bearing a zwitterionic and a non-ionic hydrophilic block. <i>Polymer</i> , 2017, 122, 347-357.	3.8	36
18	Antiplasmodial 1 ⁺ -hydroxydihydrochalcone from seedpods of <i>Tephrosia elata</i> . <i>Phytochemistry Letters</i> , 2009, 2, 99-102.	1.2	34

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19	Fluoroselenenylation of Acetylenes with Xenon Difluoride-Diorganyl Diselenides and Xenon Difluoride-Phenylseleno(trialkyl)silanes. <i>Synthesis</i> , 1994, 1994, 1043-1049.	2.3	33
20	Rotenoids, Flavonoids, and Chalcones from the Root Bark of <i>Millettia usaramensis</i> . <i>Journal of Natural Products</i> , 2015, 78, 2932-2939.	3.0	33
21	Reactions of RSe(E)Me ₃ (E = Si, Ge, Sn, Pb) with XeF ₂ RSe(F) Equivalents in the Fluoroselenenylation of Acetylenes[1]. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 1307-1313.	2.0	32
22	Two unusual rotenoid derivatives, 7a-O-methyl-12a-hydroxydeguelol and spiro-13-homo-13-oxaelliptone, from the seeds of <i>Derris trifoliata</i> . <i>Phytochemistry</i> , 2006, 67, 988-991.	2.9	31
23	Antimicrobial flavonoids from the stem bark of <i>Erythrina burttii</i> . <i>FÄ-toterapÄ-Äç</i> , 2005, 76, 469-472.	2.2	30
24	Joziknipholones A and B: The First Dimeric Phenylanthraquinones, from the Roots of <i>Bulbine frutescens</i> . <i>Chemistry - A European Journal</i> , 2008, 14, 1420-1429.	3.3	30
25	Anti-plasmodial activity of the extracts and two sesquiterpenes from <i>Cyperus articulatus</i> . <i>FÄ-toterapÄ-Äç</i> , 2008, 79, 188-190.	2.2	30
26	Three dimeric anthracene derivatives from the fruits of <i>Bulbine abyssinica</i> . <i>Tetrahedron</i> , 2005, 61, 2667-2674.	1.9	29
27	Cytotoxic benzylbenzofuran derivatives from <i>Dorstenia kameruniana</i> . <i>FÄ-toterapÄ-Äç</i> , 2018, 128, 26-30.	2.2	29
28	Isoflavones and Rotenoids from the Leaves of <i>Millettia oblata</i> ssp. <i>teitensis</i> . <i>Journal of Natural Products</i> , 2017, 80, 2060-2066.	3.0	28
29	Anti-mosquito and antimicrobial nor-halimanolides, isocoumarins and an anilinoid from <i>Tessmannia densiflora</i> . <i>Phytochemistry</i> , 2009, 70, 1233-1238.	2.9	27
30	neo-Clerodane diterpenoids from the leaf exudate of <i>Dodonaea angustifolia</i> . <i>Phytochemistry Letters</i> , 2010, 3, 217-220.	1.2	26
31	Terpurinflavone: An antiplasmodial flavone from the stem of <i>Tephrosia Purpurea</i> . <i>Phytochemistry Letters</i> , 2011, 4, 176-178.	1.2	26
32	Quinoxalines. Part 12: Synthesis and structural study of 1-(thiazol-2-yl)-1H-pyrazolo[3,4-b]quinoxalines—the dehydrogenative cyclization with hydroxylamine hydrochloride. <i>Tetrahedron</i> , 2003, 59, 6311-6321.	1.9	25
33	Two prenylated flavonoids from the stem bark of <i>Erythrina burttii</i> . <i>Phytochemistry</i> , 2003, 63, 445-448.	2.9	25
34	NMR spectroscopic and theoretical structural analysis of 5,5-disubstituted hydantoins in solution. <i>Journal of Molecular Structure</i> , 1997, 403, 111-122.	3.6	24
35	Complexation of Palladium(II) with Unsaturated Dithioethers — A Systematic Development of Highly Selective Ligands for Solvent Extraction. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2341-2352.	2.0	24
36	Visualization and quantification of anisotropic effects on the ¹ H NMR spectra of 1,3-oxazino[4,3-a]isoquinolines—indirect estimates of steric compression. <i>Tetrahedron</i> , 2009, 65, 8021-8027.	1.9	23

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37	Synthesis and conformational analysis of new naphth[1,2-e][1,3]oxazino[3,4-c]quinazoline derivatives. <i>Tetrahedron</i> , 2011, 67, 8564-8571.	1.9	23
38	3-Oxo-14 β ,15 β -epoxyschizozygine: A new schizozygane indoline alkaloid from <i>Schizozygia coffaeoides</i> . <i>Phytochemistry Letters</i> , 2014, 10, 28-31.	1.2	23
39	Antiplasmodial and cytotoxic activities of the constituents of <i>Turraea robusta</i> and <i>Turraea nilotica</i> . <i>Journal of Ethnopharmacology</i> , 2015, 174, 419-425.	4.1	23
40	Hydrogen-Bonded Polymer Nanotubes in Water. <i>Macromolecules</i> , 2009, 42, 4244-4248.	4.8	22
41	A xanthone and a phenylanthraquinone from the roots of <i>Bulbine frutescens</i> , and the revision of six seco-anthraquinones into xanthenes. <i>Phytochemistry Letters</i> , 2014, 9, 67-73.	1.2	22
42	Cytotoxic flavonoids from two <i>Lonchocarpus</i> species. <i>Natural Product Research</i> , 2019, 33, 2609-2617.	1.8	22
43	7a-O-methyldeguelol, a modified rotenoid with an open ring-C, from the roots of <i>Derris trifoliata</i> . <i>Phytochemistry</i> , 2005, 66, 653-657.	2.9	21
44	Cytotoxicity of fagaramide derivative and canthin-6-one from <i>Zanthoxylum</i> (Rutaceae) species against multidrug resistant leukemia cells. <i>Natural Product Research</i> , 2021, 35, 579-586.	1.8	21
45	3-Hydroxyisoflavanones from the stem bark of <i>Dalbergia melanoxylon</i> : Isolation, antimycobacterial evaluation and molecular docking studies. <i>Phytochemistry Letters</i> , 2013, 6, 671-675.	1.2	20
46	In-vivo antimalarial activity of some oxygenated xanthenes. <i>Annals of Tropical Medicine and Parasitology</i> , 2003, 97, 683-688.	1.6	18
47	The First Sandwich Complex with an Octa(thioether) Coordination Sphere: Bis(maleonitrile-tetrathia-12-crown-4)silver(I). <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 2377-2384.	2.0	18
48	Synthesis and conformational analysis of naphth[1,2-e][1,3]oxazino[4,3-a][1,3]isoquinoline and naphth[2,1-e][1,3]oxazino[4,3-a]isoquinoline derivatives. <i>Tetrahedron</i> , 2008, 64, 7378-7385.	1.9	18
49	Knipholone cyclooxanthrone and an anthraquinone dimer with antiplasmodial activities from the roots of <i>Kniphofia foliosa</i> . <i>Phytochemistry Letters</i> , 2013, 6, 241-245.	1.2	18
50	Mass spectrometric quantification of the relative amounts of C6 and C3 position phosphorylated glucosyl residues in starch. <i>Analytical Biochemistry</i> , 2008, 379, 73-79.	2.4	17
51	Unexpected isomerization of new naphth[1,3]oxazino[2,3-a]isoquinolines in solution, studied by dynamic NMR and supported by theoretical DFT computations. <i>Tetrahedron</i> , 2013, 69, 7455-7465.	1.9	17
52	4 β -Prenyloxiderrone from the stem bark of <i>Millettia oblata</i> ssp. <i>teitensis</i> and the antiplasmodial activities of isoflavones from some <i>Millettia</i> species. <i>Phytochemistry Letters</i> , 2014, 8, 69-72.	1.2	17
53	Two new flavonoids from <i>Dracaena usambarensis</i> Engl.. <i>Phytochemistry Letters</i> , 2020, 36, 80-85.	1.2	16
54	Larvicidal and IGR activity of extract of Tanzanian plants against malaria vector mosquitoes. <i>Journal of Vector Borne Diseases</i> , 2009, 46, 145-52.	0.4	16

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55	Synthesis and stereochemical studies of 1- and 2-phenyl-substituted 1,3-oxazino[4,3-a]isoquinoline derivatives. <i>Tetrahedron</i> , 2003, 59, 1951-1959.	1.9	14
56	Alkenyl cyclohexanone derivatives from <i>Lansea rivae</i> and <i>Lansea schweinfurthii</i> . <i>Phytochemistry Letters</i> , 2018, 23, 141-148.	1.2	14
57	Cyclische Ether als Edukte zur Synthese von Schmetterlings-Pheromonen. <i>Synthesis</i> , 1991, 1991, 1231-1235.	2.3	13
58	Synthesis and NMR spectroscopic conformational analysis of esters of 4-hydroxy-cyclohexanone – the more polar the molecule the more stable the axial conformer. <i>Tetrahedron</i> , 2012, 68, 2363-2373.	1.9	13
59	Drimane Sesquiterpenoids Noncompetitively Inhibit Human $\alpha 4 \beta 2$ Nicotinic Acetylcholine Receptors with Higher Potency Compared to Human $\alpha 3 \beta 4$ and $\alpha 7$ Subtypes. <i>Journal of Natural Products</i> , 2018, 81, 811-817.	3.0	13
60	Syntheses and conformational analyses of new naphth[1,2-e][1,3]oxazino[3,2-c]quinazolin-13-ones. <i>Tetrahedron</i> , 2012, 68, 4600-4608.	1.9	12
61	Pterocarpan and isoflavones from the root bark of <i>Millettia micans</i> and of <i>Millettia dura</i> . <i>Phytochemistry Letters</i> , 2017, 21, 216-220.	1.2	12
62	One- and Two-Photon Photochemistry and Photophysics of Poly(arylenevinylene)s Containing a Biphenyl Moiety. <i>ChemPhysChem</i> , 2005, 6, 267-276.	2.1	11
63	6-Hydroxy- β -toxicarol and (+)-tephrodin with antiplasmodial activities from <i>Tephrosia</i> species. <i>Phytochemistry Letters</i> , 2014, 10, 179-183.	1.2	11
64	Three Chalconoids and a Pterocarpene from the Roots of <i>Tephrosia aequilata</i> . <i>Molecules</i> , 2017, 22, 318.	3.8	11
65	Antiplasmodial prenylated flavanonols from <i>Tephrosia subtriflora</i> . <i>Natural Product Research</i> , 2018, 32, 1407-1414.	1.8	11
66	Benzylic Fluorination Induced by a Charge-Transfer Complex with a Solvent-Dependent Selectivity Switch. <i>Organic Letters</i> , 2022, 24, 5376-5380.	4.6	11
67	NMR spectroscopic and theoretical structural analysis of 5-benzyl substituted hydantoins in solution. <i>Journal of Molecular Structure</i> , 1999, 475, 105-112.	3.6	10
68	Four isoflavanones from the stem bark of <i>Platycephalum voanense</i> . <i>Phytochemistry Letters</i> , 2012, 5, 150-154.	1.2	10
69	Electronic influences on $^3J(C,H)$ coupling constants via $^1J(Si); ^1J(S(O))$ and $^1J(SO_2)$: their determination, calculation and comparison of detection methods. <i>Magnetic Resonance in Chemistry</i> , 2004, 42, 667-670.	1.9	9
70	Quinoxalines XV. Convenient Synthesis and Structural Study of Pyrazolo[1,5-a]quinoxalines. <i>Journal of Organic Chemistry</i> , 2009, 74, 1282-1287.	3.2	9
71	Two lignans derivatives and two fusicoccane diterpenoids from the whole plant of <i>Hypoestes verticillaris</i> (L.F.) Sol. Ex roem. & schult. <i>Phytochemistry Letters</i> , 2019, 30, 194-200.	1.2	9
72	Antibacterial secondary metabolites from <i>Vernonia auriculifera</i> Hiern (Asteraceae) against MDR phenotypes. <i>Natural Product Research</i> , 2022, 36, 3203-3206.	1.8	9

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73	Three ent-trachylobane diterpenes from the leaf exudates of <i>Psiadia punctulata</i> . <i>Phytochemistry</i> , 2006, 67, 1322-1325.	2.9	8
74	Study of the Substituent-Influenced Anomeric Effect in the Ring-Chain Tautomerism of 1-Alkyl-3-aryl-naphth[1,2-e][1,3]oxazines. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 4670-4675.	2.4	8
75	Synthesis and Conformational Analysis of Tetrahydroisoquinoline- α -Fused 1,3,2- α -Oxazaphospholidines and 1,2,3- α -Oxathiazol- α -idines. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 1464-1472.	2.4	8
76	Oxidation of Isodrimeninol with PCC Yields Drimane Derivatives with Activity against <i>Candida</i> Yeast by Inhibition of Lanosterol 14- α Demethylase. <i>Biomolecules</i> , 2020, 10, 1101.	4.0	8
77	Antiplasmodial and antileishmanial flavonoids from <i>Mundulea sericea</i> . <i>F\ddot{A}-toteraP\ddot{A}-\ddot{A}</i> , 2021, 149, 104796.	2.2	8
78	NMR spectroscopic and theoretical structural study of 5-exo-methylene-substituted hydantoins. <i>Journal of Molecular Structure</i> , 1998, 441, 47-62.	3.6	7
79	Novel piperidine-fused benzoxazino- and quinazolinonaphthoxazines- α synthesis and conformational study. <i>Tetrahedron</i> , 2012, 68, 6284-6288.	1.9	7
80	Synthesis and stereochemistry of new naphth[1,3]oxazino[3,2-a]benzazepine and naphth[1,3]oxazino[3,2-e]thienopyridine derivatives. <i>Tetrahedron</i> , 2016, 72, 2402-2410.	1.9	7
81	A new isoflavone from stem bark of <i>Millettia dura</i> . <i>Bulletin of the Chemical Society of Ethiopia</i> , 2003, 17, 113.	1.1	6
82	Prenylated Flavonoids from the Roots of <i>Tephrosia rhodesica</i> . <i>Journal of Natural Products</i> , 2020, 83, 2390-2398.	3.0	6
83	Isolation of a new cytotoxic compound, 3-((Z)-heptadec-14-enyl) benzene - 1-ol from <i>Rhus natalensis</i> root extract. <i>Phytochemistry Letters</i> , 2020, 36, 120-126.	1.2	6
84	Safety evaluation and bioassay-guided isolation of antimycobacterial compounds from <i>Morella salicifolia</i> root ethanolic extract. <i>Journal of Ethnopharmacology</i> , 2022, 296, 115501.	4.1	6
85	Quinoxalines XIV. Synthesis, ^1H , ^{13}C , ^{15}N NMR spectroscopic, and quantum chemical study of 1H-pyrazolo[3,4-b]quinoxalines (flavazoles). <i>Tetrahedron</i> , 2005, 61, 2373-2385.	1.9	5
86	The identification of 1,3-oxazolidine-2-thiones and 1,3-thiazolidine-2-thiones from the reaction of glucose with benzyl isothiocyanate. <i>Carbohydrate Research</i> , 2005, 340, 203-210.	2.3	5
87	Synthesis and conformational analysis of naphthyl-naphthoxazine derivatives. <i>Journal of Molecular Structure</i> , 2009, 929, 58-66.	3.6	5
88	Antiplasmodial Quinones from the Rhizomes of <i>Kniphofia foliosa</i> . <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.5	5
89	Mammea-type coumarins from <i>Mammea usambarensis</i> Verdc.. <i>Biochemical Systematics and Ecology</i> , 2014, 56, 65-67.	1.3	5
90	Ortho- α -Quinone Methide Driven Synthesis of New O, N- α - or N, N- α -Heterocycles. <i>ChemistryOpen</i> , 2019, 8, 961-971.	1.9	5

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91	Restricted rotation of the amino group and ring inversion in highly substituted anilines. A dynamic NMR and computational study. <i>Tetrahedron</i> , 2004, 60, 4663-4670.	1.9	4
92	Antiplasmodial Activity of Compounds from the Surface Exudates of <i>Senecio roseiflorus</i> . <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.5	4
93	Antimycobacterial Activity of the Extract and Isolated Compounds From the Stem Bark of <i>Zanthoxylum leprieurii</i> Guill. and Perr.. <i>Natural Product Communications</i> , 2021, 16, 1934578X2110358.	0.5	4
94	Antiplasmodial activity of compounds from the surface exudates of <i>Senecio roseiflorus</i> . <i>Natural Product Communications</i> , 2013, 8, 175-6.	0.5	4
95	Conformational equilibrium and dynamic behavior of <i>3,8-diazabicyclo[3.2.1]octane</i> . <i>Magnetic Resonance in Chemistry</i> , 2014, 52, 448-452.	1.9	3
96	(-)-Pentylsedinine, a New Alkaloid from the Leaves of <i>Lobelia Tupa</i> with Agonist Activity at Nicotinic Acetylcholine Receptor. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	3
97	Three new dihydro- $\hat{1}^2$ -agarofuran sesquiterpenes from the seeds of <i>Maytenus boaria</i> . <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 564-570.	0.5	3
98	1-Methylthio-1-phenyl-1-silacyclohexane: Synthesis, conformational preferences in gas and solution by GED, NMR and theoretical calculations. <i>Tetrahedron</i> , 2019, 75, 130677.	1.9	3
99	<i>Maytenus disticha</i> Extract and an Isolated $\hat{1}^2$ -Dihydroagarofuran Induce Mitochondrial Depolarization and Apoptosis in Human Cancer Cells by Increasing Mitochondrial Reactive Oxygen Species. <i>Biomolecules</i> , 2020, 10, 377.	4.0	3
100	Synthesis and conformational analysis of phenyl-substituted 1,3,2-oxazaphosphino[4,3-a]- and 1,2,3-oxathiazino[4,3-a]isoquinolines. <i>Journal of Molecular Structure</i> , 2008, 888, 124-137.	3.6	2
101	Synthesis and Conformational Analysis of Naphthoxazine-Fused Phenanthrene Derivatives. <i>Molecules</i> , 2020, 25, 2524.	3.8	2
102	Dynamic NMR study of the flexibility of 2-amino-3-aryl-4,6-diaryl-pyrylium salts. <i>Fresenius' Journal of Analytical Chemistry</i> , 1997, 357, 517-521.	1.5	1
103	Bioactive secondary metabolites from the leaves of <i>Secamone africana</i> (Olive.) Bullock. <i>International Journal of Biological and Chemical Sciences</i> , 2020, 14, 1820-1830.	0.2	1
104	Two mosquito larvicidal arabinofuranosidetridecanol from <i>Commiphora merkeri</i> exudate. <i>Natural Product Research</i> , 2022, 36, 2821-2829.	1.8	1
105	A coumestan and a coumaronochromone from <i>Millettia lasiantha</i> . <i>Biochemical Systematics and Ecology</i> , 2021, 97, 104277.	1.3	1
106	Antiplasmodial, Cytotoxicity and Phytochemical Constituents of Four <i>Maytenus</i> Species Used in Traditional Medicine in Kenya. <i>Natural Products Journal</i> , 2017, 7, 144-152.	0.3	1
107	Title is missing!. <i>Structural Chemistry</i> , 1998, 9, 139-148.	2.0	0
108	Quinoxalines. Part 12. Synthesis and Structural Study of 1-(Thiazol-2-yl)-1H-pyrazolo[3,4-b]quinoxalines – The Dehydrogenative Cyclization with Hydroxylamine Hydrochloride.. <i>ChemInform</i> , 2003, 34, no.	0.0	0

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109	Antimosquito and Antimicrobial Clerodanoids and a Chlorobenzenoid from Tessmannia species. Natural Product Communications, 2010, 5, 1934578X1000500.	0.5	0
110	NMR spectroscopic conformational analysis of 4- ϵ -methylene- ϵ -cyclohexyl pivalate. The effect of sp^{2} hybridization. Magnetic Resonance in Chemistry, 2017, 55, 1073-1078.	1.9	0