Mashitah M Yusoff

List of Publications by Year
in descending order

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133 papers	5,310 citations	81900 39 h-index	95266 68 g-index
137 all docs	137 docs citations	137 times ranked	7916 citing authors

#	Article	IF	Citations
1	Biosynthesis of metallic nanoparticles using plant derivatives and their new avenues in pharmacological applications â€“ An updated report. Saudi Pharmaceutical Journal, 2016, 24, 473-484.	2.7	739
2	A Comprehensive Review on l-Asparaginase and Its Applications. Applied Biochemistry and Biotechnology, 2016, 178, 900-923.	2.9	202
3	Superior supercapacitive performance in electrospun copper oxide nanowire electrodes. Journal of Materials Chemistry A, 2014, 2, 6578-6588.	10.3	175
4	Recent uses of carbon nanotubes & gold nanoparticles in electrochemistry with application in biosensing: A review. Biosensors and Bioelectronics, 2018, 121, 125-136.	10.1	150
5	A review for key challenges of the development of biodiesel industry. Energy Conversion and Management, 2019, 185, 508-517.	9.2	144
6	High performance supercapacitor electrodes from electrospun nickel oxide nanowires. Journal of Alloys and Compounds, 2014, 610, 143-150.	5.5	137
7	High performance dye-sensitized solar cells with record open circuit voltage using tin oxide nanoflowers developed by electrospinning. Energy and Environmental Science, 2012, 5, 5401-5407.	30.8	133
8	High performance MnO2 nanoflower supercapacitor electrode by electrochemical recycling of spent batteries. Ceramics International, 2017, 43, 8440-8448.	4.8	132
9	High energy and power density asymmetric supercapacitors using electrospun cobalt oxide nanowire anode. Journal of Power Sources, 2014, 270, 526-535.	7.8	113
10	Co3O4/SiO2 nanocomposites for supercapacitor application. Journal of Solid State Electrochemistry, 2014, 18, 2505-2512.	2.5	103
11	Indole Alkaloids from Plants as Potential Leads for Antidepressant Drugs: A Mini Review. Frontiers in Pharmacology, 2017, 8, 96.	3.5	103
12	Potential of feedstock and catalysts from waste in biodiesel preparation: A review. Energy Conversion and Management, 2013, 74, 395-402.	9.2	100
13	In Vitro Anticancer Activity of Au, Ag Nanoparticles Synthesized Using Commelina nudiflora L. Aqueous Extract Against HCT-116 Colon Cancer Cells. Biological Trace Element Research, 2016, 173, 297-305.	3.5	98
14	Palm fatty acid distillate as a potential source for biodiesel production-a review. Journal of Cleaner Production, 2017, 143, 1-9.	9.3	94
15	One-Dimensional Assembly of Conductive and Capacitive Metal Oxide Electrodes for High-Performance Asymmetric Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 10730-10742.	8.0	88
16	Assessment of phenolic compounds stability and retention during spray drying of Orthosiphon stamineus extracts. Food Hydrocolloids, 2014, 37, 159-165.	10.7	86
17	Structural and Electrical Properties of Nbâ€Doped Anatase TiO₂ Nanowires by Electrospinning. Journal of the American Ceramic Society, 2010, 93, 4096-4102.	3.8	85
18	High performance asymmetric supercapacitors using electrospun copper oxide nanowires anode. Journal of Alloys and Compounds, 2015, 633, 22-30.	5.5	83

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19	Tungsten doped titanium dioxide nanowires for high efficiency dye-sensitized solar cells. Physical Chemistry Chemical Physics, 2014, 16, 7448-7454.	2.8	78
20	Electrochemical performance studies of MnO2 nanoflowers recovered from spent battery. Materials Research Bulletin, 2014, 60, 5-9.	5.2	78
21	The prospect of microalgal biodiesel using agro-industrial and industrial wastes in Malaysia. Renewable and Sustainable Energy Reviews, 2017, 72, 33-47.	16.4	77
22	Intracellular biosynthesis of Au and Ag nanoparticles using ethanolic extract of Brassica oleracea L. and studies on their physicochemical and biological properties. Journal of Environmental Sciences, 2015, 29, 151-157.	6.1	75
23	Continuous nanobelts of nickel oxideâ€“cobalt oxide hybrid with improved capacitive charge storage properties. Materials and Design, 2017, 122, 376-384.	7.0	72
24	One-step electrosynthesis of MnO2/rGO nanocomposite and its enhanced electrochemical performance. Ceramics International, 2018, 44, 7799-7807.	4.8	72
25	Pseudocapacitive Charge Storage in Single-Step-Synthesized CoOâ€“MnO₂â€“MnCo₂O₄ Hybrid Nanowires in Aqueous Alkaline Electrolytes. Journal of Physical Chemistry C, 2017, 121, 21171-21183.	3.1	69
26	Hydrothermal syntheses of tungsten doped TiO2 and TiO2/WO3 composite using metal oxide precursors for charge storage applications. Journal of Alloys and Compounds, 2018, 740, 703-710.	5.5	64
27	InÂvitro degradation study of novel HEC/PVA/collagen nanofibrous scaffold for skin tissue engineering applications. Polymer Degradation and Stability, 2014, 110, 473-481.	5.8	63
28	Potentiostatic and galvanostatic electrodeposition of manganese oxide for supercapacitor application: A comparison study. Current Applied Physics, 2015, 15, 1143-1147.	2.4	61
29	Synthesis and liquid crystalline properties of a disc-shaped molecule with azobenzene at the periphery. Tetrahedron Letters, 2005, 46, 2303-2306.	1.4	57
30	Synthesis of ion imprinted polymers for selective recognition and separation of rare earth metals. Journal of Rare Earths, 2017, 35, 177-186.	4.8	56
31	Adsorption of rare earth metals from water using a kenaf cellulose-based poly(hydroxamic acid) ligand. Journal of Molecular Liquids, 2017, 243, 616-623.	4.9	55
32	Electrospun hydroxyethyl cellulose nanofibers functionalized with calcium phosphate coating for bone tissue engineering. RSC Advances, 2015, 5, 29497-29504.	3.6	54
33	An accelerated route of glycerol carbonate formation from glycerol using waste boiler ash as catalyst. RSC Advances, 2014, 4, 25257-25267.	3.6	52
34	Evaluation of in-vitro antioxidant and antibacterial properties of Commelina nudiflora L. extracts prepared by different polar solvents. Saudi Journal of Biological Sciences, 2015, 22, 293-301.	3.8	51
35	Nanostructured materials from hydroxyethyl cellulose for skin tissue engineering. Carbohydrate Polymers, 2014, 114, 238-245.	10.2	48
36	Random nanowires of nickel doped TiO₂with high surface area and electron mobility for high efficiency dye-sensitized solar cells. Dalton Transactions, 2013, 42, 1024-1032.	3.3	45

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37	Layered sodium titanate nanostructures as a new electrode for high energy density supercapacitors. Electrochimica Acta, 2013, 113, 141-148.	5.2	44
38	Commelina nudiflora L. edible weed as a novel source for gold nanoparticles synthesis and studies on different physicalâ€“chemical and biological properties. Journal of Industrial and Engineering Chemistry, 2015, 27, 59-67.	5.8	43
39	Treating of palm oil mill effluent using Commelina nudiflora mediated copper nanoparticles as a novel bio-control agent. Journal of Cleaner Production, 2017, 141, 1023-1029.	9.3	42
40	New pyrimidine-based photo-switchable bent-core liquid crystals. New Journal of Chemistry, 2013, 37, 2460.	2.8	39
41	Highly active thiol-functionalized SBA-15 supported palladium catalyst for Sonogashira and Suzukiâ€“Miyaura cross-coupling reactions. RSC Advances, 2015, 5, 1295-1300.	3.6	39
42	Anticholinesterase Inhibitory Activity of Quaternary Alkaloids from Tinospora crispa. Molecules, 2014, 19, 1201-1211.	3.8	36
43	Improved cellular response of chemically crosslinked collagen incorporated hydroxyethyl cellulose/poly(vinyl) alcohol nanofibers scaffold. Journal of Biomaterials Applications, 2015, 29, 1014-1027.	2.4	33
44	Near band-edge electron diffusion in electrospun Nb-doped anatase TiO2 nanofibers probed by electrochemical impedance spectroscopy. Applied Physics Letters, 2011, 98, .	3.3	32
45	Standardization of photoelectrode area of dye-sensitized solar cells. RSC Advances, 2013, 3, 2683.	3.6	31
46	Correlation between the extraction yield of mangiferin to the antioxidant activity, total phenolic and total flavonoid content of Phaleria macrocarpa fruits. Journal of Applied Research on Medicinal and Aromatic Plants, 2019, 14, 100224.	1.5	31
47	Impedimetric graphene-based biosensor for the detection of Escherichia coli DNA. Analytical Methods, 2014, 6, 7935-7941.	2.7	29
48	Kenaf cellulose-based poly(amidoxime) ligand for adsorption of rare earth ions. Rare Metals, 2019, 38, 259-269.	7.1	29
49	Characterization of the Chemical Constituents of Agarwood Oils from Malaysia by Comprehensive Two-Dimensional Gas Chromatographyâ€“Time-of-Flight Mass Spectrometry. Mendeleev Communications, 2013, 23, 51-52.	1.6	28
50	Supercapacitor Electrodes Delivering High Energy and Power Densities. Materials Today: Proceedings, 2016, 3, S48-S56.	1.8	28
51	Comparative analysis of antioxidant and antiproliferative activities of Rhodomyrtus tomentosa extracts prepared with various solvents. Food and Chemical Toxicology, 2017, 108, 451-457.	3.6	27
52	Synthesis and characterization of liquid crystalline azobenzene chromophores with fluorobenzene terminal. Journal of Fluorine Chemistry, 2013, 156, 230-235.	1.7	26
53	RHODOMYRTUS TOMENTOSA: A PHYTOCHEMICAL AND PHARMACOLOGICAL REVIEW. Asian Journal of Pharmaceutical and Clinical Research, 2016, 10, 10.	0.3	26
54	Chemical Composition of Volatile Oils of Aquilaria malaccensis (Thymelaeaceae) from Malaysia. Natural Product Communications, 2010, 5, 1934578X1000501.	0.5	25

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55	Characterization of Modified Cellulose (MC)/Poly (Vinyl Alcohol) Electrospun Nanofibers for Bone Tissue Engineering. Procedia Engineering, 2013, 53, 683-688.	1.2	25
56	New U-shaped liquid crystals azobenzene derived from catechol for photoswitching properties. Journal of Molecular Liquids, 2015, 202, 125-133.	4.9	25
57	Synthesis of Bimetallic Nanoparticles (Auâ€“Ag Alloy) Using Commelina nudifloraÂL. Plant Extract and Study its on Oral Pathogenic Bacteria. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 562-568.	3.7	25
58	Antidiabetic Effect of Oral Borapetol B Compound, Isolated from the PlantTinospora crispa, by Stimulating Insulin Release. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-7.	1.2	24
59	Proteins are potent biomarkers to detect colon cancer progression. Saudi Journal of Biological Sciences, 2017, 24, 1212-1221.	3.8	24
60	Statistical optimization of lipid production by the diatom Gyrosigma sp. grown in industrial wastewater. Journal of Applied Phycology, 2020, 32, 375-387.	2.8	24
61	Synthesis of polyamidoxime chelating ligand from polymerâ€grafted cornâ€cob cellulose for metal extraction. Journal of Applied Polymer Science, 2014, 131, .	2.6	23
62	In vitro cytotoxicity of Clinacanthus nutans fractions on breast cancer cells and molecular docking study of sulphur containing compounds against caspase-3. Food and Chemical Toxicology, 2020, 135, 110869.	3.6	23
63	On the missing links in quantum dot solar cells: a DFT study on fluorophore oxidation and reduction processes in sensitized solar cells. Physical Chemistry Chemical Physics, 2013, 15, 16275.	2.8	22
64	Pyridinyl functionalized MCM-48 supported highly active heterogeneous palladium catalyst for cross-coupling reactions. RSC Advances, 2015, 5, 19630-19637.	3.6	22
65	Continuous tubular nanofibers of vanadium pentoxide by electrospinning for energy storage devices. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	21
66	Decanter cake as a feedstock for biodiesel production: A first report. Energy Conversion and Management, 2013, 76, 527-532.	9.2	21
67	Charge transport in zirconium doped anatase nanowires dye-sensitized solar cells: Trade-off between lattice strain and photovoltaic parameters. Applied Physics Letters, 2014, 105, 153901.	3.3	20
68	Synthesis of Banana-Shaped Liquid Crystals for Photoswitching Properties. Molecular Crystals and Liquid Crystals, 2013, 587, 41-53.	0.9	19
69	Biomimetic growth of bone-like apatite via simulated body fluid on hydroxyethyl cellulose/polyvinyl alcohol electrospun nanofibers. Bio-Medical Materials and Engineering, 2014, 24, 799-806.	0.6	18
70	Improved supercapacitive charge storage in electrospun niobium doped titania nanowires. RSC Advances, 2015, 5, 50087-50097.	3.6	18
71	Assessment of the River Water Pollution Levels in Kuantan, Malaysia, Using Ion-Exclusion Chromatographic Data, Water Quality Indices, and Land Usage Patterns. Air, Soil and Water Research, 2016, 9, ASWR.S33017.	2.5	18
72	Floral and pollinator behaviour of flexistylous Bornean ginger, Alpinia nieuwenhuizii (Zingiberaceae). Plant Systematics and Evolution, 2005, 252, 167-173.	0.9	17

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73	Electrochemical Properties of Electrodeposited MnO₂ Nanoparticles. Advanced Materials Research, 0, 1113, 550-553.	0.3	17
74	Ring-expansion of an aziridinone to a hexahydrotriazine through the agency of a novel rearrangement. Tetrahedron Letters, 1996, 37, 8695-8698.	1.4	16
75	Thermal degradation kinetics of nicotinic acid, pantothenic acid and catechin derived from Averrhoa bilimbi fruits. RSC Advances, 2015, 5, 74132-74137.	3.6	16
76	Review on methyl ester production from inedible rubber seed oil under various catalysts. Industrial Crops and Products, 2017, 97, 191-195.	5.2	16
77	Charge transport through split photoelectrodes in dye-sensitized solar cells. Journal of Applied Physics, 2014, 115, 164509.	2.5	15
78	Molecular Dynamic Simulation of the Patchouli Oil Extraction Process. Journal of Chemical & Engineering Data, 2014, 59, 183-188.	1.9	15
79	Electrical and optical properties of NdAlO3 synthesized by an optimized combustion process. Materials Characterization, 2014, 90, 7-12.	4.4	15
80	Mesoporous Silica MCMâ€41 Supported Nâ€Heterocyclic Carbeneâ€Pd Complex for Heck and Sonogashira Coupling Reactions. Journal of the Chinese Chemical Society, 2015, 62, 33-40.	1.4	14
81	Assessment of Maceration, Ultrasonic and Microwave Assisted Extraction for Total Phenolic Content, Total Flavonoid Content and Kaempferol Yield from Cassia alata via Microstructures Analysis. Materials Today: Proceedings, 2019, 19, 1273-1279.	1.8	14
82	Channeling of electron transport to improve collection efficiency in mesoporous titanium dioxide dye sensitized solar cell stacks. Applied Physics Letters, 2014, 104, 053905.	3.3	13
83	Synthesis of poly(hydroxamic acid) ligand from polymer grafted corn-cob cellulose for transition metals extraction. Polymers for Advanced Technologies, 2016, 27, 1625-1636.	3.2	13
84	Synthesis of new U-shaped azobenzene liquid crystals for photoswitching properties. RSC Advances, 2015, 5, 87019-87029.	3.6	12
85	Poly(amidoxime) from Polymer-Grafted Khaya Cellulose: An Excellent Medium for the Removal of Transition Metal Cations from Aqueous Solution. BioResources, 2016, 11, .	1.0	12
86	Synthesis and characterization of azobenzene-based gold nanoparticles for photo-switching properties. Journal of Molecular Liquids, 2016, 214, 231-237.	4.9	12
87	Labisia pumila extract down-regulates hydroxysteroid (11-beta) dehydrogenase 1 expression and corticosterone levels in ovariectomized rats. Journal of Natural Medicines, 2012, 66, 257-264.	2.3	11
88	Optical and Electrochemical Properties of Co₃O₄/SiO₂ Nanocomposite. Advanced Materials Research, 0, 1133, 447-451.	0.3	11
89	Regioselectivity in nucleophilic ring-opening of aziridinones. Chemical Communications, 1998, , 985-986.	4.1	10
90	A case study â€“ Regulation and functional mechanisms of cancer cells and control its activity using plants and their derivatives. Journal of Pharmacy Research, 2013, 6, 884-892.	0.4	10

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91	Anti-amylolytic activity of fresh and cooked okra (Hibiscus esculentus L.) pod extract. Biocatalysis and Agricultural Biotechnology, 2014, 3, 373-377.	3.1	10
92	The effect of particle size and solvent type on the gallic acid yield obtained from Labisia pumila by ultrasonic extraction. MATEC Web of Conferences, 2017, 111, 02008.	0.2	10
93	Chemical Characterization and Antimicrobial Activity of Rhizome Essential Oils of Very Closely Allied Zingiberaceae Species Endemic to Borneo:Alpinia ligulataK.<scp>Schum</scp>. andAlpinia nieuwenhuizii<scp>Val</scp>.. Chemistry and Biodiversity, 2011, 8, 916-923.	2.1	9
94	Asymmetric Transfer Hydrogenation Catalyzed by Mesoporous MCMâ€41â€Supported Chiral Ruâ€Complex. Journal of the Chinese Chemical Society, 2015, 62, 177-181.	1.4	9
95	Extraction and Microencapsulation of Polyphenols from Orthosiphon Stamineus Leaves. Journal of Mechanical Engineering and Sciences, 2014, 7, 1033-1041.	0.6	9
96	Nanocrystals of a new complex perovskite dielectric Ba2TmSbO6. Journal of Alloys and Compounds, 2012, 512, 207-211.	5.5	8
97	Synthesis and Characterization of Naphthaleneâ€Based Bananaâ€Shaped Liquid Crystals for Photoswitching Properties. Journal of the Chinese Chemical Society, 2014, 61, 571-577.	1.4	8
98	Synthesis and photoswitching properties of azobenzene liquid crystals with a pentafluorobenzene terminal. Chinese Chemical Letters, 2014, 25, 1611-1614.	9.0	8
99	Predicting larger absorption cross-section in porphyrin dyes using DFT calculations. Journal of Porphyrins and Phthalocyanines, 2015, 19, 1270-1278.	0.8	8
100	Dihydroactinidiolide from thermal degradation of Î²-carotene. International Journal of Food Properties, 2017, 20, 674-680.	3.0	8
101	Microwave-Irradiation Induced Fast Simultaneous Extraction of Methoxylated and Hydroxylated Phenolic Compounds from Orthosiphon stamineus Leaves. Materials Science Forum, 2017, 890, 155-158.	0.3	8
102	Probing Electron Lifetime and Recombination Dynamics in Large Area Dye-Sensitized Solar Cells by Electrochemical Impedance Spectroscopy. Advanced Materials Research, 0, 925, 553-558.	0.3	7
103	Synthesis and photoswitching properties of liquid crystals derived from myo-inositol. RSC Advances, 2014, 4, 35089-35098.	3.6	7
104	Fast Photoswitching Azo Dyes. Macromolecular Symposia, 2015, 353, 240-245.	0.7	7
105	A conductive crosslinked graphene/cytochrome c networks for the electrochemical and biosensing study. Journal of Solid State Electrochemistry, 2017, 21, 2761-2767.	2.5	7
106	A Study of the Essential Oils of Four Sudanese Accessions of Basil (Ocimum basilicum L.) Against Anopheles Mosquito Larvae. American Journal of Applied Sciences, 2009, 6, 1359-1363.	0.2	7
107	Reaction of Aziridinones with Thiourea: A Novel Synthesis of Specifically Substituted Glycocyamidines and Hydantoins. Synthetic Communications, 1987, 17, 1063-1070.	2.1	6
108	Bioassayâ€guided Isolation and Antioxidant Activity of Sulfurâ€containing Compounds from Clinacanthus nutans. Journal of the Chinese Chemical Society, 2016, 63, 1033-1037.	1.4	6

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109	Nanostructured A₂(RE,B)O₆ (A = Ba, Sr; RE = Rare-Earth; B) Tj ETQq1 1 0.784314 rgBT /C Electronics. Advanced Materials Research, 0, 545, 27-31.	0.3	5
110	Plant extracts: Nanoparticle sources. , 2020, , 41-49.		5
111	Synthesis and X-ray analysis of (RS)-N-tert-butyl-2-anilino-. Journal of Chemical Crystallography, 1997, 27, 727-730.	1.1	4
112	Nanoscale engineering of photo aligning Cibacron Brilliant Yellow. Journal of the Society for Information Display, 2013, 21, 486-490.	2.1	4
113	Optimization of Ultrasonic-Assisted Extraction of Polyphenolic and Flavonoids from Labisia pumila. Materials Science Forum, 2017, 890, 167-170.	0.3	4
114	A heat capacity model of T3/2 dependence for quantum dots. Physical Chemistry Chemical Physics, 2017, 19, 408-418.	2.8	4
115	Identification of Polluted Sites in Four Major Rivers in Kuantan, Malaysia based on Water Chemistry Estimates of Aquatic Microbial Activity. Sustainability, 2019, 11, 3813.	3.2	4
116	Meso-Zn(<scp>ii</scp>)porphyrins of tailored functional groups for intensifying the photoacoustic signal. Journal of Materials Chemistry C, 2020, 8, 8546-8559.	5.5	4
117	Preparation of Mesoporous SBA-16 Silica-Supported Biscinchona Alkaloid Ligand for the Asymmetric Dihydroxylation of Olefins. Journal of Nanomaterials, 2014, 2014, 1-5.	2.7	3
118	Solvent Role in Molecular Recognition of Patchouli Extraction Process. Asian Journal of Chemistry, 2016, 28, 1253-1257.	0.3	3
119	Superoxide Radical Biosensor Based on a 3D Enzyme/Carbon Nanotube Conductive Networks. Journal of Nanoscience and Nanotechnology, 2017, 17, 5896-5899.	0.9	3
120	Orthosiphon stamineus (Java Tea). , 2019, , 327-333.		3
121	Bioeconomy: Fermented Waste Management and Pectinases Purification from Thermomyceslanuginosus. Journal of Mechanical Engineering and Sciences, 2014, 7, 1196-1207.	0.6	3
122	Light Sensitive Molecule for Photonic Devices. Macromolecular Symposia, 2015, 353, 115-120.	0.7	2
123	Electrospun metal oxides nanostructures for energy related devices. , 2011, , .		1
124	Fabrication and characterization of electrospun silver nanofibers with unmatched porosity. , 2012, , .		1
125	Vanadium pentoxide nanotubes by eelectrospinning. , 2012, , .		1
126	Assessment on Bioavailability of Flavonoids from Orthosiphon Stamineus During Spray Drying. , 2013, , 137-144.		1

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127	Biocomposite polymer embedded with light-sensitive molecules for plastic displays. Proceedings of SPIE, 2014, , .	0.8	1
128	Tailoring of electron diffusion through TiO[sub 2] nanowires. , 2012, , .		0
129	Functional Films of Polymer-Nanocomposites by Electrospinning for Advanced Electronics, Clean Energy Conversion, and Storage. Advanced Materials Research, 0, 545, 21-26.	0.3	0
130	Assessment of Size Reduction and Extraction Methods on the Yield of Gallic Acid from Labisia pumila Leaf via Microstructures Analysis. Materials Today: Proceedings, 2019, 19, 1280-1286.	1.8	0
131	Plant-based ethnic remedies for hypertension from Malaysia. Planta Medica, 2007, 73, .	1.3	0
132	Crystal structure of 1,5-di-tert-butyl-2-(methylamino)-2-imidazolin-4-one monohydrate, C12H24N3O1.5. Zeitschrift Fur Kristallographie - New Crystal Structures, 1998, 213, 337-338.	0.3	0
133	Crystal structure of 1,5-di-tert-butyl-2-iminoimidazolidin-4-one, C11H21N3O. Zeitschrift Fur Kristallographie - New Crystal Structures, 1998, 213, 339-340.	0.3	0