

# CITATION REPORT

List of articles citing

A generic approach for the determination of trace hydrazine in drug substances using in situ derivatization-headspace GC-MS

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#	Paper	IF	Citations
168	Reduction of Dinitrogen to Ammonia and Hydrazine on Low-Valent Ruthenium Complexes.		
167	Current literature in mass spectrometry. <b>2009</b> , 44, 1262-1273		
166	Analysis of potential genotoxic impurities in pharmaceuticals by two-dimensional gas chromatography with Deans switching and independent column temperature control using a low-thermal-mass oven module. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 396, 1291-300	4.4	24
165	Recent advances in trace analysis of pharmaceutical genotoxic impurities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2010</b> , 51, 999-1014	3.5	91
164	Matrix deactivation: A general approach to improve stability of unstable and reactive pharmaceutical genotoxic impurities for trace analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2010</b> , 52, 30-6	3.5	24
163	Enhancing the detection sensitivity of trace analysis of pharmaceutical genotoxic impurities by chemical derivatization and coordination ion spray-mass spectrometry. <b>2010</b> , 1217, 302-6		36
162	ANALYTICAL METHOD FOR 1-METHYL-4-AMINO-PIPERAZINE IN AN ACTIVE PHARMACEUTICAL INGREDIENT USING CHEMICAL DERIVATIZATION AND HPLC-UV. <b>2010</b> , 33, 712-719		2
161	A Systematic Method Development Strategy for Determination of Pharmaceutical Genotoxic Impurities. <b>2010</b> , 14, 977-985		30
160	Analytical Considerations for Genotoxic and Other Impurities. <b>2011</b> , 10, 171-194		
159	Gas-phase derivatization via the Meerwein reaction for selective and sensitive LC-MS analysis of epoxides in active pharmaceutical ingredients. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2011</b> , 56, 1106-11	3.5	4
158	Overall impact of the regulatory requirements for genotoxic impurities on the drug development process. <b>2011</b> , 43, 1-15		32
157	Analysis of Genotoxic Impurities: Review of Approaches. <b>2011</b> , 249-280		
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155	Controllable synthesis of Cu <sub>7</sub> Te <sub>4</sub> nanoparticles and sheet-like particles through the delayed reaction and their thermal stability. <b>2011</b> , 207, 192-198		18
154	Chromatographic methods of determining hydrazine and its polar derivatives. <b>2012</b> , 2, 329-354		14
153	Analytical Derivatization Techniques. <b>2012</b> , 559-595		6
152	Selective extraction of genotoxic impurities and structurally alerting compounds using polymeric ionic liquid sorbent coatings in solid-phase microextraction: Alkyl halides and aromatics. <b>2012</b> , 1240, 29-44		45

151	Guidelines and pharmacopoeial standards for pharmaceutical impurities: overview and critical assessment. <b>2012</b> , 63, 298-312		30
150	Analytical challenges in stability testing for genotoxic impurities. <b>2013</b> , 49, 108-117		14
149	Quality control of traditional Chinese medicines: a review. <b>2013</b> , 11, 596-607		34
148	A highly reactive (. <i>RSC Advances</i> , <b>2013</b> , 3, 18872	3.7	55
147	Sensitive determination of hydrazine in water by gas chromatography-mass spectrometry after derivatization with ortho-phthalaldehyde. <i>Analytica Chimica Acta</i> , <b>2013</b> , 769, 79-83	6.6	80
146	Selective Detection of Hydrazine in the Presence of Excess Electrochemically Active Pharmaceutical Ingredients Using Boron Doped Diamond Metal Nanoparticle Functionalised Electrodes. <b>2013</b> , 25, 2613-2619		9
145	A sensitive chromatographic determination of hydrazines by naphthalene-2,3-dialdehyde derivatization. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2013</b> , 93, 1286-1295	1.8	20
144	Dual signaling of hydrazine by selective deprotection of dichlorofluorescein and resorufin acetates. <b>2013</b> , 11, 2961-5		89
143	Simultaneous Trace Level Determination of Potentially Genotoxic Hydrazine, Methylhydrazine and Alkylamines in Pharmaceutical Substances by CE Using Indirect Photometric Detection. <b>2013</b> , 76, 801-809		12
142	Palladium nanoparticles decorated on reduced graphene oxide rotating disk electrodes toward ultrasensitive hydrazine detection: effects of particle size and hydrodynamic diffusion. <b>2014</b> , 86, 12272-8		76
141	Highly stable and sensitive amperometric sensor for the determination of trace level hydrazine at cross linked pectin stabilized gold nanoparticles decorated graphene nanosheets. <b>2014</b> , 135, 260-269		72
140	Highly selective amperometric sensor for the trace level detection of hydrazine at bismuth nanoparticles decorated graphene nanosheets modified electrode. <i>Talanta</i> , <b>2014</b> , 124, 43-51	6.2	97
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138	Determination of trace level genotoxic impurities in small molecule drug substances using conventional headspace gas chromatography with contemporary ionic liquid diluents and electron capture detection. <b>2014</b> , 1361, 217-28		34
137	Synthesis of a dihydroquinoline based merocyanine as a naked eye and fluorogenic sensor for hydrazine hydrate in aqueous medium and hydrazine gas. <i>RSC Advances</i> , <b>2014</b> , 4, 30712-30717	3.7	18
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135	A coumarin based chemodosimetric probe for ratiometric detection of hydrazine. <b>2014</b> , 55, 2695-2699		75
134	Fluorescence monitor of hydrazine in vivo by selective deprotection of flavonoid. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 202, 194-200	8.5	75

133	Novel sensitive determination method for a genotoxic alkylating agent, 4-chloro-1-butanol, in active pharmaceutical ingredients by LC-ICP-MS employing iodo derivatization. <i>Analytical Sciences</i> , <b>2014</b> , 30, 377-82	1.7	9
132	Sensitive quantitation of residual phenylhydrazine in antipyrine by LC-ICP-MS with iodo derivatization. <i>Analytical Sciences</i> , <b>2014</b> , 30, 845-50	1.7	7
131	Purification of Lead Compounds for Early Toxicology Profiling such as Ames and Short-Term Non-GLP (Good Laboratory Practice) Toxicology Tests. <b>2014</b> , 254-273		
130	Mutagenic Impurities: Precompetitive/Competitive Collaborative and Data Sharing Initiatives. <b>2015</b> , 19, 1486-1494		21
129	Stable manganese carbonyl radicals as a rapid colorimetric thiol and hydrazine sensor. <i>RSC Advances</i> , <b>2015</b> , 5, 15159-15163	3.7	1
128	Identification, control strategies, and analytical approaches for the determination of potential genotoxic impurities in pharmaceuticals: a comprehensive review. <b>2015</b> , 38, 764-79		43
127	Matrix precipitation: a general strategy to eliminate matrix interference for pharmaceutical toxic impurities analysis. <b>2015</b> , 1379, 16-23		3
126	Synthesis of 4-Substituted Phthalazin-1(2H)-ones from 2-Acylbenzoic Acids: Controlling Hydrazine in a Pharmaceutical Intermediate through PAT-Guided Process Development. <b>2015</b> , 19, 884-891		9
125	Hydrazine responsive molecular material: Optical signaling and mushroom cell staining. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 221, 418-426	8.5	10
124	A BODIPY/pyrene-based chemodosimetric fluorescent chemosensor for selective sensing of hydrazine in the gas and aqueous solution state and its imaging in living cells. <i>RSC Advances</i> , <b>2015</b> , 5, 58228-58236	3.7	35
123	Analysis of hydrazine in smokeless tobacco products by gas chromatography-mass spectrometry. <b>2015</b> , 9, 13		23
122	Naked-eye and near-infrared fluorescence probe for hydrazine and its applications in in vitro and in vivo bioimaging. <b>2015</b> , 87, 9101-7		163
121	Hydrazine selective dual signaling chemodosimetric probe in physiological conditions and its application in live cells. <i>Analytica Chimica Acta</i> , <b>2015</b> , 893, 84-90	6.6	28
120	Electrochemical flow injection analysis of hydrazine in an excess of an active pharmaceutical ingredient: achieving pharmaceutical detection limits electrochemically. <b>2015</b> , 87, 10064-71		39
119	A Chromogenic and Fluorogenic Bis-Schiff base sensor for rapid detection of hydrazine both in solution and vapour phases. <b>2015</b> , 7, 10385-10393		39
118	Single step derivatization with CF <sub>3</sub> enone of thiophene at ambient temperature to determine propellant grade hydrazines: a study by GC and GC-MS. <i>Analyt, The</i> , <b>2015</b> , 140, 330-9	5	8
117	Electrochemical Activation of Graphite Nanosheets Decorated with Palladium Nanoparticles for High Performance Amperometric Hydrazine Sensor. <b>2016</b> , 28, 808-816		16
116	Determination of Three Potential Genotoxic Impurities in Imatinib Mesylate by Gas ChromatographyMass Spectrometry. <b>2016</b> , 49, 2337-2346		1

115	Simultaneous quantitation of trace level hydrazine and acetohydrazide in pharmaceuticals by benzaldehyde derivatization with sample 'matrix matching' followed by liquid chromatography-mass spectrometry. <b>2016</b> , 1462, 73-9		13
114	A highly sensitive naphthaoxazole-based cell-permeable ratiometric chemodosimeter for hydrazine. <i>RSC Advances</i> , <b>2016</b> , 6, 94959-94966	3.7	21
113	A highly sensitive fluorescent probe for detection of hydrazine in gas and solution phases based on the Gabriel mechanism and its bioimaging. <i>RSC Advances</i> , <b>2016</b> , 6, 70855-70862	3.7	39
112	Sample Preparation for Bioanalytical and Pharmaceutical Analysis. <b>2016</b> , 88, 11262-11270		58
111	Reduced graphene oxide/gold tetraphenyl porphyrin (RGO/AuTPP) nanocomposite as an ultrasensitive amperometric sensor for environmentally toxic hydrazine. <i>RSC Advances</i> , <b>2016</b> , 6, 56375-56383	3.7	18
110	A simple and sensitive method to analyze genotoxic impurity hydrazine in pharmaceutical materials. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 126, 141-7	3.5	35
109	Electrocatalytic detection of hydrazine on synthesized nanozeolite-supported Ag nanoparticle-modified carbon paste electrode at a negative potential in an alkaline medium. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 218, 663-669	6	16
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107	A naphthalimide-based chemodosimetric probe for ratiometric detection of hydrazine. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 244, 417-424	8.5	65
106	A highly selective HBT-based Turn-on fluorescent probe for hydrazine detection and its application. <b>2017</b> , 58, 2596-2601		43
105	A rhodol-based fluorescent chemosensor for hydrazine and its application in live cell bioimaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 185, 228-233	4.4	25
104	Metallated porphyrin noncovalent interaction with reduced graphene oxide-modified electrode for amperometric detection of environmental pollutant hydrazine. <b>2017</b> , 31, e3703		25
103	Highly Selective Sub-ppm Naked-Eye Detection of Hydrazine with Conjugated-1,3-Diketo Probes: Imaging Hydrazine in Drosophila Larvae. <b>2017</b> , 89, 10625-10636		63
102	Simultaneous quantitation of hydrazine and acetylhydrazine in human plasma by high performance liquid chromatography-tandem mass spectrometry after derivatization with p-tolualdehyde. <b>2017</b> , 1063, 189-195		9
101	A sensitive and selective amperometric hydrazine sensor based on palladium nanoparticles loaded on cobalt-wrapped nitrogen-doped carbon nanotubes. <b>2017</b> , 801, 215-223		21
100	Evolution of regulatory aspects of genotoxic impurities in pharmaceuticals: Survival of the fittest. <b>2017</b> , 40, 759-769		1
99	A highly sensitive and selective fluorescent probe for N <sub>2</sub> H <sub>4</sub> in air and living cells. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 11891-11897	3.6	20
98	Highly dispersed palladium nanoparticles generated in situ on layered double hydroxide nanowalls for ultrasensitive electrochemical detection of hydrazine. <b>2017</b> , 9, 6629-6635		10

97	A NIR ratiometric probe for hydrazine masked eye detection and its imaging in living cell. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 253, 488-494	8.5	66
96	A Fluorescein-Based Colorimetric and Fluorescent Probe for Hydrazine and its Bioimaging in Live Cells. <i>Journal of Fluorescence</i> , <b>2017</b> , 27, 323-329	2.4	17
95	Benzthiazole-derived chromogenic, fluorogenic and ratiometric probes for detection of hydrazine in environmental samples and living cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2017</b> , 334, 1-12	4.7	33
94	A new colorimetric and far-red fluorescent probe for hydrazine with a large red-shifted absorption spectrum. <b>2017</b> , 32, 466-470		12
93	Cyclization of chalcone enables ratiometric fluorescence determination of hydrazine with a high selectivity. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 263, 229-236	8.5	51
92	A chromogenic and fluorogenic rhodol-based chemosensor for hydrazine detection and its application in live cell bioimaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 195, 136-141	4.4	19
91	A FRET-based ratiometric fluorescent probe for hydrazine and its application in living cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 358, 10-16	4.7	16
90	The design strategies and mechanisms of fluorogenic and chromogenic probes for the detection of hydrazine. <b>2018</b> , 10, 1117-1139		51
89	A novel fluorescein-based "turn-on" probe for the detection of hydrazine and its application in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 193, 324-329	4.4	20
88	Layered manganese oxide nanosheets coated on N-doped graphene aerogel for hydrazine detection: Reaction mechanism investigated by in situ electrochemical X-ray absorption spectroscopy. <b>2018</b> , 808, 124-132		14
87	A ratiometric fluorescent probe for hydrazine based on novel cyclization mechanism and its application in living cells. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 260, 609-616	8.5	60
86	A novel PBT-based fluorescent probe for hydrazine detection and its application in living cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 356, 610-616	4.7	21
85	A simple two-output near-infrared fluorescent probe for hydrazine detection in living cells and mice. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 258, 42-49	8.5	46
84	Analytical control strategies for mutagenic impurities: Current challenges and future opportunities?. <b>2018</b> , 101, 66-84		13
83	Ratiometric fluorescence probe for hydrazine vapor detection and biological imaging. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 8085-8089	7.3	29
82	A probe with double acetoxyl moieties for hydrazine and its application in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 203, 106-111	4.4	21
81	A smart fluorescent probe for discriminative detection of hydrazine and bisulfite from different emission channels. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 274, 274-284	8.5	66
80	A Highly Selective and Colorimetric Fluorescent Probe for Hydrazine Detection in Water Samples. <i>Analytical Sciences</i> , <b>2018</b> , 34, 1297-1302	1.7	23

79	A renewable test strip combined with solid-state ratiometric fluorescence emission spectra for the highly selective and fast determination of hydrazine gas. <i>Analyst, The</i> , <b>2018</b> , 143, 3900-3906	5	18
78	Electrochemical sensor based on palladium loaded laser scribed graphitic carbon nanosheets for ultrasensitive detection of hydrazine. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 13744-13753	3.6	9
77	Turn-on fluorescence sensing of hydrazine using MnO <sub>2</sub> nanotube-decorated g-C <sub>3</sub> N <sub>4</sub> nanosheets. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 13196-13204	3.6	14
76	A simple camphor based AIE fluorescent probe for highly specific and sensitive detection of hydrazine and its application in living cells. <b>2019</b> , 11, 3958-3965		12
75	A near-infrared xanthene-based fluorescent probe for selective detection of hydrazine and its application in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 223, 117344	4.4	12
74	In situ generated chromophore as the indicator for background-free sensing strategy of hydrazine with high sensitivity with in vitro and in vivo applications. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 5182-5189	7.3	6
73	A Novel Fluorescence Sensor Towards Hydrazine in Living Cells. <b>2019</b> , 35, 570-576		9
72	A single fluorescent chemosensor for discriminative detection of bisulfite and benzoyl peroxide in food with different emission. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 299, 126994	8.5	18
71	A highly sensitive near-infrared ratiometric fluorescent probe for imaging of mitochondrial hydrazine in cells and in mice models. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 286, 69-76	8.5	33
70	Recent Developments in Fluorometric and Colorimetric Chemodosimeters Targeted towards Hydrazine Sensing: Present Success and Future Possibilities. <b>2019</b> , 4, 7219-7245		25
69	An isophorone-based NIR probe for hydrazine in real water samples and hermetic space. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 10025-10029	3.6	19
68	A novel 'turn-on' coumarin-based fluorescence probe with aggregation-induced emission (AIE) for sensitive detection of hydrazine and its imaging in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 222, 117272	4.4	19
67	An ultrasensitive fluorescent probe for hydrazine detection and its application in water samples and living cells. <i>Tetrahedron</i> , <b>2019</b> , 75, 2642-2646	2.4	28
66	Ultrasensitive sensing of hydrazine vapor at sub-ppm level with pyrimidine-substituted perylene diimide film device. <i>Tetrahedron</i> , <b>2019</b> , 75, 1988-1996	2.4	8
65	Ammonia and Hydrazine from Coordinated Dinitrogen by Complexes of Iron(0). <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 2006-2011	2.3	4
64	A New Fluorescent Turn-on Dual Interaction Position Probe for Determination of Hydrazine. <i>Analytical Sciences</i> , <b>2019</b> , 35, 1341-1345	1.7	6
63	Rhodol assisted alternating copolymer based chromogenic vesicles for the aqueous detection and quantification of hydrazine via switch-on strategy. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 274, 461-469	6	20
62	A coumarin-based fluorescent probe for ratiometric detection of hydrazine and its application in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 210, 381-386	4.4	26

61	Reduction of Dinitrogen to Ammonia and Hydrazine on Low-Valent Ruthenium Complexes. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 1929-1934	5.1	5
60	A novel ratiometric and colorimetric fluorescent probe for hydrazine based on ring-opening reaction and its applications. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 285, 368-374	8.5	42
59	Design and synthesis of dual-excitation fluorescent probe, Tb <sup>3+</sup> -dtpa-bis(fluorescein), and application in detection of hydrazine in environmental water samples and live cells. <i>Dyes and Pigments</i> , <b>2019</b> , 162, 281-294	4.6	8
58	A Dicyanomethylene-4H-Pyran Based NIR Ratiometric Fluorescent Probe for Diazane and its Bioimaging. <i>Journal of Fluorescence</i> , <b>2019</b> , 29, 195-201	2.4	2
57	Coumarinocoumarin-based fluorescent probe for the sensitive and selective detection of hydrazine in living cells and zebra fish. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 129-132	8.1	11
56	A fluorescence "turn-on" sensor for detecting hydrazine in environment. <i>Microchemical Journal</i> , <b>2020</b> , 152, 104376	4.8	17
55	A Natural Light Visible Colorimetric Responses Fluorescent Probe for Hydrazine Detection. <i>Analytical Sciences</i> , <b>2020</b> , 36, 323-327	1.7	8
54	A merocyanine-based dual-mode optical probe for detection of hydrazine and its bioimaging application in vitro and vivo. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 226, 117625	4.4	13
53	A Turn-on Fluorescent probe based on V-shaped bis-coumarin for detection of hydrazine. <i>Tetrahedron</i> , <b>2020</b> , 76, 130921	2.4	8
52	A novel red-emissive probe for colorimetric and ratiometric detection of hydrazine and its application in plant imaging. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 307, 127640	8.5	27
51	Formation of composite nanostructures with an effective hydrazine sensor and their chemical approach. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2020</b> , 117, 113851	3	2
50	Rational design of a novel turn-on fluorescent probe for the detection and bioimaging of hydrazine with barbituric acid as a recognition group. <i>Analyst, The</i> , <b>2020</b> , 145, 636-642	5	10
49	Carbon dots-MnO <sub>2</sub> based turn-on fluorescent probe for rapid and sensitive detection of hydrazine in water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2020</b> , 389, 112258	4.7	10
48	A selective and sensitive near-infrared fluorescent probe for in vivo real time tracking of exogenous and metabolized hydrazine, a genotoxic impurity. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 10353-10359	7.3	4
47	A REVIEW ON ANALYTICAL CHALLENGES IN MONITORING AND CONTROLLING GENOTOXIC IMPURITIES. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , <b>2020</b> , 10-15	0.4	
46	A novel berberine-based colorimetric and fluorimetric probe for hydrazine detection. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 15752-15757	3.6	4
45	Effect of Intercalants inside Birnessite-Type Manganese Oxide Nanosheets for Sensor Applications. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 15595-15605	5.1	3
44	New "naked-eye" colori/fluorimetric "turn-on" chemosensor: Ultrafast and ultrasensitive detection of hydrazine in ~100% aqueous solution and its bio-imaging in living cells. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1123, 64-72	6.6	11



43	A near-infrared fluorescence probe for hydrazine based on dicyanoisophorone. <i>Microchemical Journal</i> , <b>2020</b> , 157, 105066	4.8	9
42	Ordered mesoporous carbon provoked dimensionally varied molybdenum dichalcogenide: A striking sensing matrix for electrochemical detection of hydrazine. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1	1.8	1
41	A smart nopinone-based fluorescent probe for colorimetric and fluorogenic detection of hydrazine in water and plants with high sensitivity and selectivity. <i>Journal of Luminescence</i> , <b>2020</b> , 226, 117436	3.8	6
40	Fabrication of electrochemical sensor based on electrochemically co-deposited Ru-Co bimetallic nanoparticles on glassy carbon electrode: an analytical measurement tool for monitoring of hydrazine in water samples. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2020</b> , 1-16	1.8	4
39	Static Headspace Analysis and Its Current Status. <i>Journal of Analytical Chemistry</i> , <b>2020</b> , 75, 1-17	1.1	4
38	Near-Infrared-Emitting Probes for Detection of Nanomolar Hydrazine in a Complete Aqueous Medium with Real-Time Application in Bioimaging and Vapor-Phase Hydrazine Detection. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 4457-4463	8.3	26
37	Headspace GC/MS Analysis of Residual Solvents in Dietary Supplements, Cosmetics, and Household Products Using Ethyl Lactate as a Dissolution Medium. <i>Journal of AOAC INTERNATIONAL</i> , <b>2020</b> , 103, 407-412	1.7	1
36	Electrochemical determination of hydrazine in surface water on Co(OH) <sub>2</sub> nanoparticles immobilized on functionalized graphene interface. <i>Applied Surface Science</i> , <b>2021</b> , 540, 148346	6.7	6
35	A novel dual-excitation and dual-emission fluorescent probe CDs@OOE for hydrazine detection in aqueous solutions and living cells. <i>Dyes and Pigments</i> , <b>2021</b> , 184, 108831	4.6	4
34	A dual-mode visual detector for toxic hydrazine.. <i>RSC Advances</i> , <b>2021</b> , 11, 22835-22841	3.7	2
33	Effect of Durian Peel Ash Added in Zinc Oxide/Reduced Graphene Oxide Composites Used as a Chemical Sensor for Hydrazine Detection. <i>Materials Sciences and Applications</i> , <b>2021</b> , 12, 111-120	0.3	
32	A xanthene-based novel colorimetric and fluorometric chemosensor for the detection of hydrazine and its application in the bio-imaging of live cells. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 15869-15875	3.6	0
31	Introduction of a luminescent sensor for tracking trace levels of hydrazine in insect pollinated cropland flowers. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 17095-17100	3.6	3
30	A highly selective visual paper-based detector for hydrazine and MCL luminogens based on fluorinated-pyrrole-functionalized triphenylamine. <i>New Journal of Chemistry</i> ,	3.6	1
29	Combination of imine bond and samarium emitter enables turn-off fluorescence detection of hydrazine in vapor and water samples. <i>Talanta</i> , <b>2021</b> , 225, 122065	6.2	1
28	A highly-sensitive "turn on" probe based on coumarin Ediketone for hydrazine detection in PBS and living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 252, 119510	4.4	6
27	A novel ESIPT fluorescent probe derived from 3-hydroxyphthalimide for hydrazine detection in aqueous solution and living cells. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 5463-5468	4.4	4
26	Ratiometric Probe for Rapid Naked Eye Detection of Toxic Hydrazine: Real Time Application in Strip Test, Spray Test and Soil Analysis. <i>Journal of Fluorescence</i> , <b>2021</b> , 31, 1917-1925	2.4	0

25	ZIF-8/electro-reduced graphene oxide nanocomposite for highly electrocatalytic oxidation of hydrazine in industrial wastewater. <i>Microchemical Journal</i> , <b>2021</b> , 168, 106521	4.8	3
24	Dual-channel colorimetric fluorescent probe for determination of hydrazine and mercury ion. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 258, 119868	4.4	5
23	Design and synthesis of a novel turn-on fluorescent probe based on benzofuran-3(2H)-one for detection of hydrazine in water samples and biological systems. <i>Dyes and Pigments</i> , <b>2021</b> , 194, 109587	4.6	2
22	Development of a ratiometric fluorescent probe with large Stokes shift and emission wavelength shift for real-time tracking of hydrazine and its multiple applications in environmental analysis and biological imaging. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 422, 126891	12.8	4
21	The preparation of a special fluorescent probe with an aggregation-induced emission effect for detecting hydrazine in water. <i>New Journal of Chemistry</i> ,	3.6	1
20	A novel phenoxazine-Meldrum's acid D-FA fluorescent sensor for turn-on detecting hydrazine and its applications to practical samples analysis, plant and animal imaging. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 350, 130850	8.5	1
19	A novel dual-response triphenylamine-based fluorescence sensor for special detection of hydrazine in water. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2022</b> , 276, 115556	3.1	0
18	QUANTIFICATION OF HYDRAZINE HYDRATE IN IMATINIB MESYLATE AT GENOTOXIC LEVEL BY CHROMATOGRAPHIC METHOD. <i>Indian Drugs</i> , <b>2019</b> , 56, 45-52	0.2	1
17	Chloro-hydroxyl-merocyanine based turn-on fluorescent probes for the detection of hydrazine in water and living cells. <i>Dyes and Pigments</i> , <b>2022</b> , 110109	4.6	0
16	Bifunctional fluorescent probe for detecting and imaging hydrazine hydrate both in vitro and in vivo. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1256, 132509	3.4	0
15	Coumarin Derivative Induced 3D Organo-Silver(I) Complex with Tandem Hydrazine Detection and 4-Nitrophenol Catalysis. <i>Crystal Research and Technology</i> , 2100186	1.3	0
14	Preparation, antibacterial activity, and electrocatalytic detection of hydrazine based on biogenic CuFeO <sub>2</sub> /PANI nanocomposites synthesized by Aloe barbadensis miller. <i>New Journal of Chemistry</i> ,	3.6	1
13	Strategic Approaches to the Chromatographic Analysis of Mutagenic Impurities. <b>2021</b> , 381-438		
12	Real-time screening of hydrazine by a NIR fluorescent probe with low cytotoxicity in living cells and its multiple applications: Optimization using Box-Behnken Design. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 364, 131893	8.5	1
11	A hemicyanine-based near-infrared fluorescent probe for vapor-phase hydrazine detection and bioimaging in a complete aqueous media. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2022</b> , 279, 121406	4.4	0
10	Nitrogen Doped Carbon Dots for Sensitive Detection of Permanganate and hydrazine by a fluorescence off-on strategy. <b>2022</b> , 100022		1
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- 1 Electrophilicity modulated targeted luminescence of MOF-coated cotton composite for dual analyte detection in aqueous medium.