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2016	Structural effects of Fe <sub>3</sub> O <sub>4</sub> nanocrystals on peroxidase-like activity. <b>2011</b> , 17, 620-5	202

2015	Helical carbon nanotubes: intrinsic peroxidase catalytic activity and its application for biocatalysis and biosensing. <b>2011</b> , 17, 9377-84	162
2014	Fabrication of nanoporous nanocomposites entrapping Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles and oxidases for colorimetric biosensing. <b>2011</b> , 17, 10700-7	105
2013	A mimic peroxidase biosensor based on calcined layered double hydroxide for detection of H <sub>2</sub> O <sub>2</sub> . <b>2011</b> , 26, 3278-83	48
2012	BSA-stabilized Au clusters as peroxidase mimetics for use in xanthine detection. <b>2011</b> , 26, 3614-9	278
2011	G-quadruplex DNAzyme-based microcystin-LR (toxin) determination by a novel immunosensor. <b>2011</b> , 26, 4393-8	32
2010	Peroxidase-like catalytic activity of cubic Pt nanocrystals. <b>2011</b> , 373, 6-10	107
2009	Synthesis and characterization of zinc/iron oxide composite nanoparticles and their antibacterial properties. <b>2011</b> , 374, 1-8	239
2008	Facile synthesis of metal-chelating magnetic nanoparticles by exploiting organophosphorus coupling. <b>2011</b> , 408, 175-7	9
2007	Au@Pt nanostructures as oxidase and peroxidase mimetics for use in immunoassays. <b>2011</b> , 32, 1139-47	467
2006	Direct evidence for catalase and peroxidase activities of ferritin-platinum nanoparticles. <b>2011</b> , 32, 1611-8	319
2005	Degradation of sulfamonomethoxine with Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles as heterogeneous activator of persulfate. <b>2011</b> , 186, 1398-404	303
2004	Prussian-blue-modified iron oxide magnetic nanoparticles as effective peroxidase-like catalysts to degrade methylene blue with H <sub>2</sub> O <sub>2</sub> . <b>2011</b> , 191, 163-9	90
2003	Enhanced angiogenesis by transplantation of mesenchymal stem cell sheet created by a novel magnetic tissue engineering method. <b>2011</b> , 31, 2210-5	73
2002	Fluorescence protection assay: a novel homogeneous assay platform toward development of aptamer sensors for protein detection. <b>2011</b> , 39, e122	28
2001	Ultra-small particles of iron oxide as peroxidase for immunohistochemical detection. <b>2011</b> , 22, 225703	42
2000	Nanostructured Mimic Enzymes for Biocatalysis and Biosensing. <b>2011</b> , 85-109	2
1999	FACILE SYNTHESIS OF HUMIC ACID-COATED IRON OXIDE NANOPARTICLES AND THEIR APPLICATIONS IN WASTEWATER TREATMENT. <b>2011</b> , 04, 373-376	10
1998	Magnetic Nanomaterials for Environmental Applications. <b>2011</b> ,	3

1997	Preparation and Analysis of Magnetic Nanoparticles Used as Highly Active Catalysts over a Wide pH Range. <b>2012</b> , 424-425, 1057-1061	
1996	Synthesis of Novel pH-Responsive Magnetic Nanocomposites as Highly Efficient Heterogeneous Fenton Catalysts. <b>2012</b> , 41, 897-899	6
1995	Enzyme mimics of Au/Ag nanoparticles for fluorescent detection of acetylcholine. <b>2012</b> , 84, 9706-12	116
1994	Well-redispersed ceria nanoparticles: Promising peroxidase mimetics for H <sub>2</sub> O <sub>2</sub> and glucose detection. <b>2012</b> , 4, 3261	157
1993	Detection of mercury ions based on mercury-induced switching of enzyme-like activity of platinum/gold nanoparticles. <b>2012</b> , 4, 6823-30	84
1992	Magnetosomes eliminate intracellular reactive oxygen species in Magnetospirillum gryphiswaldense MSR-1. <b>2012</b> , 14, 1722-9	70
1991	The effective peroxidase-like activity of chitosan-functionalized CoFe <sub>2</sub> O <sub>4</sub> nanoparticles for chemiluminescence sensing of hydrogen peroxide and glucose. <b>2012</b> , 137, 1225-31	91
1990	Artificial enzymes based on supramolecular scaffolds. <b>2012</b> , 41, 7890-908	292
1989	Supported biocatalysts for Alizarin and Eriochrome Blue Black R degradation using hydrogen peroxide. <b>2012</b> , 204-206, 65-71	7
1988	Magnetite/mesocellular carbon foam as a magnetically recoverable fenton catalyst for removal of phenol and arsenic. <b>2012</b> , 89, 1230-7	68
1987	Palladium@gold bimetallic nanostructures as peroxidase mimic for development of sensitive fluoroimmunoassay. <b>2012</b> , 751, 140-5	47
1986	Biocatalytic activity of recombinant human $\beta$ mannosidase immobilized onto magnetic nanoparticles for bioprocess. <b>2012</b> , 42, 97-112	2
1985	Uricase-Based Highly Sensitive and Selective Spectrophotometric Determination of Uric Acid Using BSA-Stabilized Au Nanoclusters as Artificial Enzyme. <b>2012</b> , 45, 511-519	23
1984	Iron phosphate microflowers as peroxidase mimic and superoxide dismutase mimic for biocatalysis and biosensing. <b>2012</b> , 48, 7289-91	63
1983	CePO <sub>4</sub> :Tb,Gd hollow nanospheres as peroxidase mimic and magnetic-fluorescent imaging agent. <b>2012</b> , 48, 6839-41	37
1982	Peroxidase-mimic bismuth-gold nanoparticles for determining the activity of thrombin and drug screening. <b>2012</b> , 48, 7952-4	105
1981	Peroxidase mimic activity of hematite iron oxides ( $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> ) with different nanostructures. <b>2012</b> , 2, 119-124	63
1980	PtDNA complexes as peroxidase mimetics and their applications in colorimetric detection of H <sub>2</sub> O <sub>2</sub> and glucose. <b>2012</b> , 4, 2183	27

1979	Gold nanoparticles-based nanoconjugates for enhanced enzyme cascade and glucose sensing. <b>2012</b> , 137, 4435-9	59
1978	Novel porous silica encapsulated Au nanoreactors as peroxidase mimic for one-pot glucose detection. <b>2012</b> , 36, 2625	14
1977	Magnetic mesoporous carbon for efficient removal of organic pollutants. <b>2012</b> , 18, 439-444	18
1976	Peroxidase-like activity of ferruginous bodies isolated by exploiting their magnetic property. <b>2012</b> , 75, 603-23	8
1975	Application of Iron Oxide Based Nanomaterials (NMs) in Magnetic Assisted Chemical Separation (MACS) Processes for Water/Wastewater Treatment. <b>2012</b> , 610-613, 1242-1251	3
1974	Novel application of CoFe layered double hydroxide nanoplates for colorimetric detection of H <sub>2</sub> O <sub>2</sub> and glucose. <b>2012</b> , 137, 1325-8	91
1973	Hydrolysis of glucose-6-phosphate in aged, acid-forced hydrolysed nanomolar inorganic iron solutions in inorganic biocatalyst?. <b>2012</b> , 2, 199-208	14
1972	Enhanced nonenzymatic hydrogen peroxide sensing with reduced graphene oxide/ferroferric oxide nanocomposites. <b>2012</b> , 89, 417-21	130
1971	Recent advances in the application of electron tomography to materials chemistry. <b>2012</b> , 45, 1782-91	64
1970	Monosaccharides versus PEG-functionalized NPs: influence in the cellular uptake. <b>2012</b> , 6, 1565-77	118
1969	Understanding the formation of CuS concave superstructures with peroxidase-like activity. <b>2012</b> , 4, 3501-6	197
1968	Peroxidase-like activity of chitosan stabilized silver nanoparticles for visual and colorimetric detection of glucose. <b>2012</b> , 137, 5560-4	215
1967	Peroxidase-like activity of water-soluble cupric oxide nanoparticles and its analytical application for detection of hydrogen peroxide and glucose. <b>2012</b> , 137, 1706-12	250
1966	Stable superhydrophobic coatings from thiol-ligand nanocrystals and their application in oil/water separation. <b>2012</b> , 22, 9774	210
1965	Nanoparticles and their potential for application in bone. <b>2012</b> , 7, 4545-57	110
1964	Fast defluorination and removal of norfloxacin by alginate/Fe@Fe <sub>3</sub> O <sub>4</sub> core/shell structured nanoparticles. <b>2012</b> , 227-228, 195-203	67
1963	Peroxidase-like activity and amperometric sensing of hydrogen peroxide by Fe <sub>2</sub> O <sub>3</sub> and Prussian Blue-modified Fe <sub>2</sub> O <sub>3</sub> nanoparticles. <b>2012</b> , 360, 71-77	67
1962	Polyoxometalates as peroxidase mimetics and their applications in H <sub>2</sub> O <sub>2</sub> and glucose detection. <b>2012</b> , 36, 18-21	87

1961	Modulating electron transfer properties of gold nanoparticles for efficient biosensing. <b>2012</b> , 37, 30-7	13
1960	Reducing Taylor dispersion in capillary laminar flows using magnetically excited nanoparticles: Nanomixing mechanism for micro/nanoscale applications. <b>2012</b> , 203, 492-498	23
1959	Zirconium-Metalloporphyrin PCN-222: Mesoporous Metal-Organic Frameworks with Ultrahigh Stability as Biomimetic Catalysts. <b>2012</b> , 124, 10453-10456	231
1958	Zirconium-metalloporphyrin PCN-222: mesoporous metal-organic frameworks with ultrahigh stability as biomimetic catalysts. <b>2012</b> , 51, 10307-10	1236
1957	Composite Metal-Oxide Nanocatalysts. <b>2012</b> , 4, 1462-1484	57
1956	Colorimetric protein sensing using catalytically amplified sensor arrays. <b>2012</b> , 8, 3589-92	89
1955	A cerium oxide nanoparticle-based device for the detection of chronic inflammation via optical and magnetic resonance imaging. <b>2012</b> , 4, 2117-23	33
1954	Magnetic Nanoparticles and Quantum Dots for Analytical Applications. <b>2012</b> ,	
1953	Antibodies in Nanomedicine and Microimaging Methods. <b>2012</b> , 291-349	
1952	Fe(III)-based coordination polymer nanoparticles: peroxidase-like catalytic activity and their application to hydrogen peroxide and glucose detection. <b>2012</b> , 2, 432-436	64
1951	Ex vivo detection of iron oxide magnetic nanoparticles in mice using their intrinsic peroxidase-mimicking activity. <b>2012</b> , 9, 1983-9	46
1950	Magnetic nanoscaled Fe <sub>3</sub> O <sub>4</sub> /CeO <sub>2</sub> composite as an efficient Fenton-like heterogeneous catalyst for degradation of 4-chlorophenol. <b>2012</b> , 46, 10145-53	772
1949	Toward designer magnetite/polystyrene colloidal composite microspheres with controllable nanostructures and desirable surface functionalities. <b>2012</b> , 28, 3271-8	46
1948	Synthesis of enzyme mimics of iron telluride nanorods for the detection of glucose. <b>2012</b> , 48, 4079-81	56
1947	Electrocatalytic reduction of coreactant by highly loaded dendrimer-encapsulated palladium nanoparticles for sensitive electrochemiluminescent immunoassay. <b>2012</b> , 48, 9159-61	30
1946	A general strategy for the production of photoluminescent carbon nitride dots from organic amines and their application as novel peroxidase-like catalysts for colorimetric detection of H <sub>2</sub> O <sub>2</sub> and glucose. <b>2012</b> , 2, 411-413	179
1945	Graphene oxide-Fe <sub>3</sub> O <sub>4</sub> magnetic nanocomposites with peroxidase-like activity for colorimetric detection of glucose. <b>2012</b> , 4, 3969-76	418
1944	Effects of silica nanoparticle supported ionic liquid as additive on thermal reversibility of human carbonic anhydrase II. <b>2012</b> , 51, 933-8	13

1943	Single-source precursor approach for the preparation of CdS nanoparticles and their photocatalytic and intrinsic peroxidase like activity. <b>2012</b> , 126, 265-274	37
1942	Analytical and environmental applications of nanoparticles as enzyme mimetics. <b>2012</b> , 39, 114-129	205
1941	Electro-enzymatic degradation of carbofuran with the graphene oxide/Fe <sub>3</sub> O <sub>4</sub> /hemoglobin composite in an electrochemical reactor. <b>2012</b> , 47, 2480-2486	9
1940	Size-controlled synthesis of superparamagnetic iron oxide nanoparticles and their surface coating by gold for biomedical applications. <b>2012</b> , 324, 3997-4005	93
1939	Colorimetric bioassay using the catalytic ester hydrolysis by esterase-like Cu <sup>2+</sup> . <b>2012</b> , 171-172, 866-871	2
1938	A novel colorimetric determination of reduced glutathione in A549 cells based on Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles as peroxidase mimetics. <b>2012</b> , 137, 485-9	96
1937	One pot glucose detection by [Fe(III)(biuret-amide)] immobilized on mesoporous silica nanoparticles: an efficient HRP mimic. <b>2012</b> , 48, 5289-91	53
1936	Cotinine-conjugated aptamer/anti-cotinine antibody complexes as a novel affinity unit for use in biological assays. <b>2012</b> , 44, 554-61	12
1935	One-pot synthesis of polyaniline/Fe <sub>3</sub> O <sub>4</sub> nanocomposites with magnetic and conductive behaviour. Catalytic effect of Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <b>2012</b> , 162, 2250-2258	16
1934	Colorimetric detection of urine glucose based ZnFe <sub>2</sub> O <sub>4</sub> magnetic nanoparticles. <b>2012</b> , 84, 5753-8	392
1933	Colorimetric quantification of galactose using a nanostructured multi-catalyst system entrapping galactose oxidase and magnetic nanoparticles as peroxidase mimetics. <b>2012</b> , 137, 1137-43	44
1932	Activity enhancement of Microperoxidase-11 immobilized on nanospheres with a nanosize Co <sub>3</sub> O <sub>4</sub> core and a periodic mesoporous organosilica shell. <b>2012</b> , 22, 9970	13
1931	Shape dependent peroxidase mimetic activity towards oxidation of pyrogallol by H <sub>2</sub> O <sub>2</sub> . <b>2012</b> , 2, 3270	36
1930	Composite microspheres for separation of plasmid DNA decorated with MNPs through in situ growth or interfacial immobilization followed by silica coating. <b>2012</b> , 4, 4764-75	25
1929	Chemiluminescence switching on peroxidase-like Fe <sub>3</sub> O <sub>4</sub> nanoparticles for selective detection and simultaneous determination of various pesticides. <b>2012</b> , 84, 9492-7	100
1928	BSA-templated MnO <sub>2</sub> nanoparticles as both peroxidase and oxidase mimics. <b>2012</b> , 137, 4552-8	284
1927	Chemiluminescence biosensors for DNA detection using graphene oxide and a horseradish peroxidase-mimicking DNAzyme. <b>2012</b> , 48, 1126-8	137
1926	Magnetic-room temperature phosphorescent multifunctional nanocomposites as chemosensor for detection and photo-driven enzyme mimetics for degradation of 2,4,6-trinitrotoluene. <b>2012</b> , 22, 4720	26



1925	Ultrasensitive nanostructured immunosensor for stem and carcinoma cell pluripotency gatekeeper protein NANOG. <b>2012</b> , 7, 957-65	15
1924	Self-assembly into magnetic Co <sub>3</sub> O <sub>4</sub> complex nanostructures as peroxidase. <b>2012</b> , 22, 527-534	107
1923	Superparamagnetic Fe <sub>3</sub> O <sub>4</sub> nanoparticles-carbon nitride nanotube hybrids for highly efficient peroxidase mimetic catalysts. <b>2012</b> , 48, 422-4	55
1922	Dual enzyme-like activities of iron oxide nanoparticles and their implication for diminishing cytotoxicity. <b>2012</b> , 6, 4001-12	542
1921	Intrinsic peroxidase-like activity and catalase-like activity of Co <sub>3</sub> O <sub>4</sub> nanoparticles. <b>2012</b> , 48, 2540-2	563
1920	Iron selenide thin film: Peroxidase-like behavior, glucose detection and amperometric sensing of hydrogen peroxide. <b>2012</b> , 173, 724-731	56
1919	Stimuli-responsive peroxidase mimicking at a smart graphene interface. <b>2012</b> , 48, 7055-7	71
1918	Caged-protein-confined bimetallic structural assemblies with mimetic peroxidase activity. <b>2012</b> , 8, 2948-53	40
1917	Interface engineering catalytic graphene for smart colorimetric biosensing. <b>2012</b> , 6, 3142-51	226
1916	Signal amplification using functional nanomaterials for biosensing. <b>2012</b> , 41, 2122-34	438
1915	Fabrication, structure, and properties of Fe <sub>3</sub> O <sub>4</sub> @C encapsulated with YVO <sub>4</sub> :Eu <sup>3+</sup> composites. <b>2012</b> , 14, 1	10
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1913	Biological applications of magnetic nanoparticles. <b>2012</b> , 41, 4306-34	939
1912	Facile fabrication and growth mechanism of 3D flower-like Fe <sub>3</sub> O <sub>4</sub> nanostructures and their application as SERS substrates. <b>2012</b> , 14, 4834	77
1911	Self-Assembled Complexes of Horseradish Peroxidase with Magnetic Nanoparticles Showing Enhanced Peroxidase Activity. <b>2012</b> , 22, 1940-1951	28
1910	Nanoparticulate peroxidase/catalase mimetic and its application. <b>2012</b> , 18, 8906-11	49
1909	Comparison of the peroxidase-like activity of unmodified, amino-modified, and citrate-capped gold nanoparticles. <b>2012</b> , 13, 1199-204	207
1908	Magnetoferritin nanoparticles for targeting and visualizing tumour tissues. <i>Nature Nanotechnology</i> , <b>2012</b> , 7, 459-64	28.7 502

1907	Electrochemical biosensing based on noble metal nanoparticles. <b>2012</b> , 177, 245-270	156
1906	Cerium oxide nanoparticle-mediated self-assembly of hybrid supramolecular hydrogels. <b>2012</b> , 48, 7934-6	26
1905	Enhanced activity of chaperonin GroEL in the presence of platinum nanoparticles. <b>2012</b> , 14, 1	8
1904	Magnetic carbon nanotubes: synthesis by a simple solvothermal process and application in magnetic targeted drug delivery system. <b>2012</b> , 14, 1	55
1903	Synthesis and characterization of FeS nanoparticles obtained from a dithiocarboxylate precursor complex and their photocatalytic, electrocatalytic and biomimic peroxidase behavior. <b>2012</b> , 419-420, 170-177	55
1902	Titanium doping reduces superoxide dismutase activity, but not oxidase activity, of catalytic CeO(2) nanoparticles. <b>2012</b> , 15, 235-237	16
1901	Hollow Fe <sub>2</sub> O <sub>3</sub> polyhedrons: One-pot synthesis and their use as electrochemical material for nitrite sensing. <b>2012</b> , 59, 81-85	43
1900	Architecture of Fe <sub>3</sub> O <sub>4</sub> /graphene oxide nanocomposite and its application as a platform for amino acid biosensing. <b>2012</b> , 71, 58-65	69
1899	Manganese oxide nanowire-mediated enzyme-linked immunosorbent assay. <b>2012</b> , 33, 69-74	130
1898	Peroxidase-like behavior, amperometric biosensing of hydrogen peroxide and photocatalytic activity by cadmium sulfide nanoparticles. <b>2012</b> , 358, 1-9	46
1897	Highly sensitive and selective colorimetric detection of Ag(I) ion using 3,3',5,5'-tetramethylbenzidine (TMB) as an indicator. <b>2012</b> , 165, 44-47	86
1896	Au@Pt core/shell nanorods with peroxidase- and ascorbate oxidase-like activities for improved detection of glucose. <b>2012</b> , 166-167, 708-714	149
1895	Metal nanoparticles as heterogeneous Fenton catalysts. <b>2012</b> , 5, 46-64	223
1894	New peroxidase-substrate 3,5-di-tert-butylcatechol for colorimetric determination of blood glucose in presence of Prussian Blue-modified iron oxide nanoparticles. <b>2013</b> , 177, 676-683	23
1893	Attaching DNA to nanoceria: regulating oxidase activity and fluorescence quenching. <b>2013</b> , 5, 6820-5	155
1892	Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticle peroxidase mimetic-based colorimetric assay for the rapid detection of organophosphorus pesticide and nerve agent. <b>2013</b> , 85, 308-12	291
1891	Self-assembly of hemin on carbon nanotube as highly active peroxidase mimetic and its application for biosensing. <b>2013</b> , 3, 6044	44
1890	Hemin@metal-organic framework with peroxidase-like activity and its application to glucose detection. <b>2013</b> , 3, 2761	159

1889	Analytical applications of chemiluminescence-detection systems assisted by magnetic microparticles and nanoparticles. <b>2013</b> , 51, 51-70	83
1888	A novel electrically magnetic-controllable electrochemical biosensor for the ultra sensitive and specific detection of attomolar level oral cancer-related microRNA. <b>2013</b> , 45, 108-13	72
1887	Nanoparticles as Enzyme Mimics. <b>2013</b> , 149-173	5
1886	Co3O4-reduced graphene oxide nanocomposite as an effective peroxidase mimetic and its application in visual biosensing of glucose. <b>2013</b> , 796, 92-100	154
1885	An IMPLICATION logic gate based on citrate-capped gold nanoparticles with thiocyanate and iodide as inputs. <b>2013</b> , 138, 6677-82	21
1884	(Fe3O4)-graphene oxide as a novel magnetic nanomaterial for non-enzymatic determination of phenylalanine. <b>2013</b> , 33, 4624-32	47
1883	Two-step synthesis of agglomeration-free peroxidase-like Co3O4 nanoparticles-carbon nitride nanotube hybrids enabling a high redox activity. <b>2013</b> , 3, 20179	13
1882	Immobilization of $\alpha$ -amylase on gum acacia stabilized magnetite nanoparticles, an easily recoverable and reusable support. <b>2013</b> , 96, 6-13	54
1881	Assessing nanoparticle toxicity in cell-based assays: influence of cell culture parameters and optimized models for bridging the in vitro-in vivo gap. <b>2013</b> , 42, 8339-59	156
1880	Anti-bacterial and in vivo tumor treatment by reactive oxygen species generated by magnetic nanoparticles. <b>2013</b> , 1, 5100-5107	78
1879	Magnetite nanoparticle-induced fluorescence quenching of adenosine triphosphate-BODIPY Conjugates: application to adenosine triphosphate and pyrophosphate sensing. <b>2013</b> , 85, 8559-65	59
1878	Ionic Liquid-Based Fluorescein Colorimetric pH Nanosensors. <b>2013</b> , 3, 21054-21061	29
1877	Facile synthesis of ultrathin magnetic iron oxide nanoplates by Schikorr reaction. <b>2013</b> , 8, 16	55
1876	High peroxidase catalytic activity of exfoliated few-layer graphene. <b>2013</b> , 62, 51-60	40
1875	Fe3O4@Pt nanoparticles with enhanced peroxidase-like catalytic activity. <b>2013</b> , 105, 36-39	61
1874	A simple colorimetric assay for the detection of metal ions based on the peroxidase-like activity of magnetic nanoparticles. <b>2013</b> , 176, 253-257	28
1873	Ultrathin graphitic carbon nitride nanosheets: a novel peroxidase mimetic, Fe doping-mediated catalytic performance enhancement and application to rapid, highly sensitive optical detection of glucose. <b>2013</b> , 5, 11604-9	268
1872	Prussian Blue Modified Ferritin Nanoparticles as Peroxidase and Catalase Mimetics and their Application in Glucose Detection. <b>2013</b> , 562-565, 1333-1339	1

1871	An investigation into the simultaneous enzymatic and SERRS properties of silver nanoparticles. <b>2013</b> , 138, 6347-53	31
1870	Au@PtAg core/shell nanorods: tailoring enzyme-like activities via alloying. <b>2013</b> , 3, 6095	59
1869	Human ferritin for tumor detection and therapy. <b>2013</b> , 5, 287-98	47
1868	MIL-53(Fe): a metal-organic framework with intrinsic peroxidase-like catalytic activity for colorimetric biosensing. <b>2013</b> , 19, 15105-8	285
1867	DNA-enhanced peroxidase-like activity of layered double hydroxide nanosheets and applications in H <sub>2</sub> O <sub>2</sub> and glucose sensing. <b>2013</b> , 5, 10982-8	43
1866	Pleiotropic functions of antioxidant nanoparticles for longevity and medicine. <b>2013</b> , 201-202, 30-42	38
1865	Copper nanoclusters as peroxidase mimetics and their applications to H <sub>2</sub> O <sub>2</sub> and glucose detection. <b>2013</b> , 762, 83-6	243
1864	Electrocatalytic features of a heme protein attached to polymer-functionalized magnetic nanoparticles. <b>2013</b> , 85, 11420-6	20
1863	TiO <sub>2</sub> nanotube arrays: intrinsic peroxidase mimetics. <b>2013</b> , 49, 10480-2	102
1862	Titanium-doped cerium oxide nanoparticles protect cells from hydrogen peroxide-induced apoptosis. <b>2013</b> , 15, 2126	8
1861	Ternary composite of hemin, gold nanoparticles and graphene for highly efficient decomposition of hydrogen peroxide. <b>2013</b> , 3, 3285	81
1860	Peroxidase-like activity of amino-functionalized magnetic nanoparticles and their applications in immunoassay. <b>2013</b> , 405, 291-5	28
1859	A nanosized metal-organic framework of Fe-MIL-88NH <sub>2</sub> as a novel peroxidase mimic used for colorimetric detection of glucose. <b>2013</b> , 138, 4526-31	199
1858	Oil extraction by aminoparticle-based H <sub>2</sub> O <sub>2</sub> activation via wet microalgae harvesting. <b>2013</b> , 3, 12802	44
1857	Detection of Hg <sup>2+</sup> based on the selective inhibition of peroxidase mimetic activity of BSA-Au clusters. <b>2013</b> , 117, 127-32	65
1856	Surfactant effects on the microstructures of Fe <sub>3</sub> O <sub>4</sub> nanoparticles synthesized by microemulsion method. <b>2013</b> , 436, 675-683	74
1855	Masking nanoparticle surfaces for sensitive and selective colorimetric detection of proteins. <b>2013</b> , 85, 10542-8	30
1854	Logical regulation of the enzyme-like activity of gold nanoparticles by using heavy metal ions. <b>2013</b> , 5, 8227-34	86

1853	Modification of Tetranuclear Zirconium-Substituted Polyoxometalates Syntheses, Structures, and Peroxidase-Like Catalytic Activities. <b>2013</b> , 2013, 1926-1934	41
1852	A hierarchical Co-Fe LDH rope-like nanostructure: facile preparation from hexagonal lyotropic liquid crystals and intrinsic oxidase-like catalytic activity. <b>2013</b> , 1, 1263-1269	56
1851	Aqueous synthesis of porous platinum nanotubes at room temperature and their intrinsic peroxidase-like activity. <b>2013</b> , 49, 6024-6	106
1850	A ferrofluid-based homogeneous assay for highly sensitive and selective detection of single-nucleotide polymorphisms. <b>2013</b> , 49, 8114-6	22
1849	Intrinsic catalytic activity of Au nanoparticles with respect to hydrogen peroxide decomposition and superoxide scavenging. <b>2013</b> , 34, 765-73	229
1848	Layered-double-hydroxide-modified electrodes: electroanalytical applications. <b>2013</b> , 405, 603-14	80
1847	Synthesis of Fe <sub>3</sub> O <sub>4</sub> -Au Nanocomposites with Enhanced Peroxidase-Like Activity. <b>2013</b> , 2013, 109-114	38
1846	Anionic polythiophene derivative as peroxidase mimetics and their application for detection of hydrogen peroxide and glucose. <b>2013</b> , 115, 837-41	21
1845	Effective peroxidase-like activity of a water-solubilized Fe-aminoclay for use in immunoassay. <b>2013</b> , 42, 373-8	32
1844	Application of NaYF <sub>4</sub> :Yb,Er Nanoparticles as Peroxidase Mimetics in Uric Acid Detection. <b>2013</b> , 41, 330-336	8
1843	Controlled synthesis of spinel ZnFe <sub>2</sub> O <sub>4</sub> decorated ZnO heterostructures as peroxidase mimetics for enhanced colorimetric biosensing. <b>2013</b> , 49, 7656-8	65
1842	Self-assembled graphene oxide with organo-building blocks of Fe-aminoclay for heterogeneous Fenton-like reaction at near-neutral pH: A batch experiment. <b>2013</b> , 142-143, 494-503	39
1841	A Simple and Sensitive Nanocatalytic Fluorescence Method for the Determination of Folic Acid in Foods Using Fe <sub>3</sub> O <sub>4</sub> Nanoparticle-K <sub>2</sub> S <sub>2</sub> O <sub>8</sub> System. <b>2013</b> , 6, 76-81	15
1840	Enzyme-free colorimetric bioassay based on gold nanoparticle-catalyzed dye decolorization. <b>2013</b> , 138, 760-6	33
1839	Ionic liquid as an efficient modulator on artificial enzyme system: toward the realization of high-temperature catalytic reactions. <b>2013</b> , 135, 4207-10	93
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1837	In situ controllable growth of CoFe <sub>2</sub> O <sub>4</sub> ferrite nanocubes on graphene for colorimetric detection of hydrogen peroxide. <b>2013</b> , 1, 4352	58
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1827	Evidence-based point-of-care diagnostics: current status and emerging technologies. <b>2013</b> , 6, 191-211	78
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1825	Recent progress in nanosensors for sensitive detection of biomolecules. <b>2013</b> , 5, 3589-600	63
1824	Modeling of self-controlling hyperthermia based on nickel alloy ferrofluids: Proposition of new nanoparticles. <b>2013</b> , 335, 59-63	11
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1822	2D ultrathin nanosheets of Co-Al layered double hydroxides prepared in L-asparagine solution: enhanced peroxidase-like activity and colorimetric detection of glucose. <b>2013</b> , 1, 2268-2274	104
1821	Mesoporous silica-encapsulated gold nanoparticles as artificial enzymes for self-activated cascade catalysis. <b>2013</b> , 34, 2600-10	177
1820	Core-shell noble metal nanostructures templated by gold nanorods. <b>2013</b> , 25, 3857-62	52
1819	Fe <sub>3</sub> O <sub>4</sub> -Au@mesoporous SiO <sub>2</sub> microspheres: an ideal artificial enzymatic cascade system. <b>2013</b> , 49, 4643-5	63
1818	Fe-Co bimetallic alloy nanoparticles as a highly active peroxidase mimetic and its application in biosensing. <b>2013</b> , 49, 5013-5	161

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1809	Intrinsic Peroxidase Catalytic Activity of Fe S Nanowires Templated from [Fe S ]/Diethylenetriamine Hybrid Nanowires. <b>2013</b> , 78, 723-727	20
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1794	Synthesis and cellular compatibility of Co-doped ZnO particles in silk-fibroin peptides. <b>2013</b> , 102, 29-36	16
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1498	Peptide-Conjugated Gold Nanoprobe: Intrinsic Nanozyme-Linked Immunosorbant Assay of Integrin Expression Level on Cell Membrane. <b>2015</b> , 9, 10979-90	84
1497	A Gel-Based Approach To Design Hierarchical CuS Decorated Reduced Graphene Oxide Nanosheets for Enhanced Peroxidase-like Activity Leading to Colorimetric Detection of Dopamine. <b>2015</b> , 119, 23790-23800 <sup>103</sup>	
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1481	Single Nanoparticle to 3D Supercage: Framing for an Artificial Enzyme System. <b>2015</b> , 137, 13957-63	92
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1462	Heterogeneous activation of Oxone by substituted magnetites Fe <sub>3-x</sub> M <sub>x</sub> O <sub>4</sub> (Cr, Mn, Co, Ni) for degradation of Acid Orange II at neutral pH. <b>2015</b> , 398, 86-94	98
1461	Application of bimetallic PtPd alloy decorated graphene in peroxydisulfate electrochemiluminescence aptasensor based on Ag dendrites decorated indium tin oxide device. <b>2015</b> , 209, 32-39	17
1460	A facile synthetic approach for SiO <sub>2</sub> @Co <sub>3</sub> O <sub>4</sub> core-shell nanorattles with enhanced peroxidase-like activity. <b>2015</b> , 5, 5295-5306	37
1459	BSA-stabilized Pt nanozyme for peroxidase mimetics and its application on colorimetric detection of mercury(II) ions. <b>2015</b> , 66, 251-8	220
1458	Inorganic-bimolecular hybrids based on polyoxometalates: Intrinsic oxidase catalytic activity and their application to cancer immunoassay. <b>2015</b> , 208, 497-504	17

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1444	Intrinsic enzyme mimicking activity of gold nanoclusters upon visible light triggering and its application for colorimetric trypsin detection. <b>2015</b> , 64, 523-9	127
1443	Peroxidase-like activity of apoferritin paired gold clusters for glucose detection. <b>2015</b> , 64, 165-70	154
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1434	Optimizing Colorimetric Assay Based on V <sub>2</sub> O <sub>5</sub> Nanozymes for Sensitive Detection of H <sub>2</sub> O <sub>2</sub> and Glucose. <b>2016</b> , 16,	72
1433	Magnetic Particles Coupled to Disposable Screen Printed Transducers for Electrochemical Biosensing. <b>2016</b> , 16,	24
1432	Nano-Engineered Biomimetic Optical Sensors for Glucose Monitoring in Diabetes. <b>2016</b> , 16,	23
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1429	Rhamnose-coated superparamagnetic iron-oxide nanoparticles: an evaluation of their in vitro cytotoxicity, genotoxicity and carcinogenicity. <b>2016</b> , 36, 510-20	13
1428	Preparation, Functionality, and Application of Metal Oxide-coated Noble Metal Nanoparticles. <b>2016</b> , 16, 1965-90	15
1427	Design of Surface-Active Artificial Enzyme Particles to Stabilize Pickering Emulsions for High-Performance Biphasic Biocatalysis. <b>2016</b> , 28, 1682-8	105
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1422	Affinity-tuned peroxidase-like activity of hydrogel-supported Fe <sub>3</sub> O <sub>4</sub> nanozyme through alteration of crosslinking concentration. <b>2016</b> , 133, n/a-n/a	13

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1412	Cobalt-doped graphitic carbon nitride with enhanced peroxidase-like activity for wastewater treatment. <b>2016</b> , 6, 35568-35576	49
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1389	Cu <sup>II</sup> metal-organic frameworks with peroxidase-like activity as peroxidase mimics for colorimetric sensing of glucose. <b>2016</b> , 18, 1	52
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1386	Formation of target-specific binding sites in enzymes: solid-phase molecular imprinting of HRP. <b>2016</b> , 8, 11060-6	10

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1384	Peroxidase-like activity of FeVO <sub>4</sub> nanobelts and its analytical application for optical detection of hydrogen peroxide. <b>2016</b> , 233, 162-172	48
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1378	Reusable Green Synthesized Biomimetic Magnetic Nanoparticles for Glucose and H <sub>2</sub> O <sub>2</sub> Detection. <b>2016</b> , 6, 93-102	12
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1373	Optical Biosensors Based on Nitrogen-Doped Graphene Functionalized with Magnetic Nanoparticles. <b>2016</b> , 3, 1600590	31
1372	Peroxidase-like catalytic activity of copper ions and its application for highly sensitive detection of glypican-3. <b>2016</b> , 941, 87-93	15
1371	A split G-quadruplex DNAzyme based magnetic graphene oxide platform for sensitive authentication of Pseudostellaria heterophylla. <b>2016</b> , 6, 88234-88238	
1370	Synthesis of EDTA-assisted CeVO nanorods as robust peroxidase mimics towards colorimetric detection of HO. <b>2016</b> , 4, 6316-6325	33
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1368	Polyethylenimine mediated synthesis of copper-iron and nickel-iron hexacyanoferrate nanoparticles and their electroanalytical applications. <b>2016</b> , 780, 90-102	6



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1364	How Large Should the QM Region Be in QM/MM Calculations? The Case of Catechol O-Methyltransferase. <b>2016</b> , 120, 11381-11394	110
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1362	Ultrasensitive electrochemical detection of miRNA-21 by using an iridium(III) complex as catalyst. <b>2016</b> , 86, 454-458	67
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1360	Carbon-Based Nanomaterials for Nanozymes. <b>2016</b> , 7-29	3
1359	Upconversion ratiometric fluorescence and colorimetric dual-readout assay for uric acid. <b>2016</b> , 86, 664-670	79
1358	Enzyme-free electrochemical aptasensor by using silver nanoparticles aggregates coupling with carbon nanotube inducing signal amplification through electrodeposition. <b>2016</b> , 781, 62-69	9
1357	Recent advances in non-enzymatic electrochemical glucose sensors based on non-precious transition metal materials: opportunities and challenges. <b>2016</b> , 6, 84893-84905	146
1356	Functionalized TiO <sub>2</sub> Nanoparticles as Labels for Immunoassay. <b>2016</b> , 1, 2021-2027	2
1355	Cu <sub>0.89</sub> Zn <sub>0.11</sub> O, A New Peroxidase-Mimicking Nanozyme with High Sensitivity for Glucose and Antioxidant Detection. <b>2016</b> , 8, 22301-8	136
1354	Graphene oxide-based Fe <sub>2</sub> O <sub>3</sub> hybrid enzyme mimetic with enhanced peroxidase and catalase-like activities. <b>2016</b> , 506, 747-755	45
1353	Employing cobalt sulfide/noble metal composites bi-functional ability for degradation and monitoring by SERS in real time. <b>2016</b> , 6, 78852-78857	6
1352	Shape-Controllable Synthesis of Peroxidase-Like Fe <sub>3</sub> O <sub>4</sub> Nanoparticles for Catalytic Removal of Organic Pollutants. <b>2016</b> , 25, 4333-4340	8
1351	In vitro assessment of physiological changes of watermelon (Citrullus lanatus) upon iron oxide nanoparticles exposure. <b>2016</b> , 108, 353-360	39
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1349	Nanozymes: Next Wave of Artificial Enzymes. <b>2016,</b>	50
1348	Metal Oxide-Based Nanomaterials for Nanozymes. <b>2016, 57-91</b>	3
1347	Cell Magnetic Targeting System for Repair of Severe Chronic Osteochondral Defect in a Rabbit Model. <b>2016, 25, 1073-83</b>	29
1346	Snapshots of encapsulated porphyrins and heme enzymes in metal-organic materials: A prevailing paradigm of heme mimicry. <b>2016, 326, 135-163</b>	18
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1344	Enhancement of peroxidase-like activity of N-doped graphene assembled with iron-tetrapyridylporphyrin. <b>2016, 6, 79497-79506</b>	13
1343	Synthesis of PVP-functionalized ultra-small MoS <sub>2</sub> nanoparticles with intrinsic peroxidase-like activity for H <sub>2</sub> O <sub>2</sub> and glucose detection. <b>2016, 6, 81174-81183</b>	52
1342	Effects of Metal Nanoparticles on Methane Production from Waste-Activated Sludge and Microorganism Community Shift in Anaerobic Granular Sludge. <b>2016, 6, 25857</b>	83
1341	Novel synthesis of a mixed Cu/CuO reduced graphene oxide nanocomposite with enhanced peroxidase-like catalytic activity for easy detection of glutathione in solution and using a paper strip. <b>2016, 6, 92729-92738</b>	41
1340	Colorimetric detection of H <sub>2</sub> O <sub>2</sub> using flower-like Fe <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> microparticles as a peroxidase mimic. <b>2016, 183, 3025-3033</b>	38
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1338	Metal-organic frameworks as biosensors for luminescence-based detection and imaging. <b>2016, 6, 20160027</b>	109
1337	Direct electrochemical detection of kanamycin based on peroxidase-like activity of gold nanoparticles. <b>2016, 936, 75-82</b>	75
1336	Point-of-Care Diagnostics. <b>2016, 139-156</b>	2
1335	Impact of magnetite iron oxide nanoparticles on wheat ( <i>Triticum aestivum</i> L.) development: Evaluation of oxidative damage. <b>2016, 131, 77-88</b>	99
1334	Ultrafast Preparation of Monodisperse Fe <sub>3</sub> O <sub>4</sub> Nanoparticles by Microwave-Assisted Thermal Decomposition. <b>2016, 22, 11807-15</b>	19
1333	Cubic boron nitride with an intrinsic peroxidase-like activity. <b>2016, 6, 70124-70132</b>	19
1332	Novel hierarchical NiO nanoflowers exhibiting intrinsic superoxide dismutase-like activity. <b>2016, 4, 5217-5221</b>	34

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1329	Triple-enzyme mimetic activity of Co <sub>3</sub> O <sub>4</sub> nanotubes and their applications in colorimetric sensing of glutathione. <b>2016</b> , 40, 10056-10063	36
1328	One-step solvothermal synthesis of Al-promoted Fe <sub>3</sub> O <sub>4</sub> magnetic catalysts for the selective oxidation of benzyl alcohol to benzaldehyde with H <sub>2</sub> O <sub>2</sub> in water. <b>2016</b> , 6, 101048-101060	24
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1319	Redox-Sensitive Cerium Oxide Nanoparticles Protect Human Keratinocytes from Oxidative Stress Induced by Glutathione Depletion. <b>2016</b> , 32, 12202-12211	67
1318	Structure advantage and peroxidase activity enhancement of deuterohemin-peptide/organic hybrid flowers. <b>2016</b> , 6, 104265-104272	15
1317	Synthesis of PANI/hematite/PB hybrid nanocomposites and fabrication as screen printed paper based sensors for cholesterol detection. <b>2016</b> , 8, 8049-8058	9
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1206	A sensitive and selective Victoria blue 4R SERS molecular probe for sodium lauryl sulfate in AuNP/AgCl sol substrate. <b>2017</b> , 244, 275-281	8



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1187	A GO-Se nanocomposite as an antioxidant nanozyme for cytoprotection. <b>2017</b> , 53, 3082-3085	51
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1181	A novel efficient medium for chromogenic catalysis of tetramethylbenzidine with horseradish peroxidase. <b>2017</b> , 28, 1453-1459	13
1180	Fabrication of CeVO <sub>4</sub> as nanozyme for facile colorimetric discrimination of hydroquinone from resorcinol and catechol. <b>2017</b> , 247, 469-478	41
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1178	Mimicking Horseradish Peroxidase Functions Using Cu-Modified Carbon Nitride Nanoparticles or Cu-Modified Carbon Dots as Heterogeneous Catalysts. <b>2017</b> , 11, 3247-3253	226
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1174	Intrinsic Peroxidase-like Activity of Ficin. <b>2017</b> , 7, 43141	30
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1168	Facile synthesis of enzyme functional metal-organic framework for colorimetric detecting H <sub>2</sub> O <sub>2</sub> and ascorbic acid. <b>2017</b> , 28, 1006-1012	54
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504	Confined catalysis of MOF-818 nanozyme and colorimetric aptasensing for cardiac troponin I. <b>2023</b> , 252, 123830	

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491	Covalent organic framework composites TpPa@CeO <sub>2</sub> with catalytic activities for sensitive colorimetric detection of ascorbic acid. <b>2022</b> , 182, 107924	0
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480	Nanozymes for biomedical applications in orthopaedics. <b>2023</b> , 76, 32-45	1
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