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Metal nanoclusters: New fluorescent probes for sensors and bioimaging

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414	Nanoclusters prepared from ruthenium(II) and quercetin for fluorometric detection of cobalt(II), and a method for screening their anticancer drug activity. <b>2019</b> , 186, 539		3
413	DNA-silver nanocluster probe for norovirus RNA detection based on changes in secondary structure of nucleic acids. <b>2019</b> , 583, 113365		15
412	Fluorescence enhancement induced by the interaction of silver nanoclusters with lead ions in water. <b>2019</b> , 579, 123634		14
411	Ultrafast, Controllable Synthesis of Sub-Nano Metallic Clusters through Defect Engineering. <i>ACS Applied Materials &amp; Defect Engineering</i> . ACS	).5	14
410	Tumor Targeting Strategies of Smart Fluorescent Nanoparticles and Their Applications in Cancer Diagnosis and Treatment. <b>2019</b> , 31, e1902409		94
409	DNA-like Photophysics in Self-Assembled Silver(I)-Nucleobase Nanofibers. <b>2019</b> , 123, 5985-5994		4
408	Ionic-surfactants-based thermotropic liquid crystals. <b>2019</b> , 21, 15256-15281		12
407	Co-assembly of gold nanocluster with imidazolium surfactant into ordered luminescent fibers based on aggregation induced emission strategy. <b>2019</b> , 291, 111275		7
406	Bimodal determination of immunoglobulin E by fluorometry and ICP-MS by using platinum nanoclusters as a label in an immunoassay. <b>2019</b> , 186, 705		9
405	Influence of the Spatial Conformation of Charged Ligands on the Optical Properties of Gold Nanoclusters. <b>2019</b> , 123, 26705-26717		11
404	Metal Nanoclusters Stabilized by Selenol Ligands. <b>2019</b> , 15, e1902703		33
403	Long-Term Measurement of Solar Irradiance above, within, and under Sea Ice in Polar Environments by Using Fiber Optic Spectrometry. <b>2019</b> , 36, 1773-1787		2
402	Ligand-Mediated Nanocluster Formation with Classical and Autocatalytic Growth. <b>2019</b> , 123, 29954-2996.	3	3
401	TBHP/NHI-Mediated Direct N-H Phosphorylation of Imines and Imidates. <b>2019</b> , 84, 14949-14956		11
400	Metal Nanoclusters <b>B</b> ased Ratiometric Fluorescent Probes from Design to Sensing Applications. <b>2019</b> , 36, 1900298		12
399	Vibrational Circular Dichroism of Thiolate-Protected Au25 Clusters: Accurate Prediction of Spectra and Chirality Transfer within the Mixed Ligand Shell. <b>2019</b> , 123, 22586-22594		6
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397	Reduction of Tetrachloroaurate(III) Ions With Bioligands: Role of the Thiol and Amine Functional Groups on the Structure and Optical Features of Gold Nanohybrid Systems. <b>2019</b> , 9,		25

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394	Selective chemotherapy and imaging of colorectal and breast cancer cells by a modified MUC-1 aptamer conjugated to a poly(ethylene glycol)-dimethacrylate coated Fe3O4AuNCs nanocomposite. <b>2019</b> , 43, 238-248		16
393	CdSe quantum dots-sensitized chemiluminescence system and quenching effect of gold nanoclusters for cyanide detection. <b>2019</b> , 212, 322-329		18
392	A ratiometric fluorescent sensor for sensitive detection of UDG using poly(thymine)-templated copper nanoclusters and DAPI with exonuclease III assisted amplification. <b>2019</b> , 286, 46-51		14
391	Split aptamer based sensing platform for adenosine deaminase detection by fluorescence resonance energy transfer. <b>2019</b> , 198, 1-7		10
390	Shape-controlled synthesis of Ni nanocrystals via a wet-chemistry strategy and their shape-dependent catalytic activity. <b>2019</b> , 21, 1416-1422		1
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387	Optical absorption in complexes of abasic DNA with noble-metal nanoclusters by first principles calculations. <b>2019</b> , 21, 1260-1270		4
386	Phosphate-guanidine interaction based fluorometric strategy for protein kinase activity sensing. <b>2019</b> , 290, 512-519		3
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383	A novel gold-nanocluster-based fluorescent sensor for detection of sodium 2-mercaptoethanesulfonate <b>2019</b> , 9, 18949-18953		2
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381	Study of Glucose Binding Protein Encapsulated Gold Nanoclusters by Molecular Dynamic Simulation. <b>2019</b> , 948, 133-139		O
380	Green Fluorescent Protein Nanovessel Serves as a Nucleolus Targeting Material and Molecule Carrier in Living Cells. <b>2019</b> , 3, e1900047		
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377	Microwave-assisted synthesis of carbon dots and their applications. <b>2019</b> , 7, 7175-7195	132
376	Biomolecule-assisted synthesis and functionality of metal nanoclusters for biological sensing: a review. <b>2019</b> , 3, 1722-1735	28
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373	A repertoire of biomedical applications of noble metal nanoparticles. <b>2019</b> , 55, 6964-6996	139
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366	Self-Assembly of Metal Nanoclusters for Aggregation-Induced Emission. <b>2019</b> , 20,	21
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363	One-Pot Synthesis of Nucleoside-Templated Fluorescent Silver Nanoparticles and Gold Nanoparticles. <b>2019</b> , 4, 7643-7649	6
362	Fluorescence lifetime-based pH sensing by platinum nanoclusters. <b>2019</b> , 144, 3533-3538	12
361	Fluorescent pH nanosensors: Design strategies and applications. <b>2019</b> , 39, 76-141	47

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355	Polydopamine nanosphere@silver nanoclusters for fluorescence detection of multiplex tumor markers. <b>2019</b> , 11, 8119-8123		43
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347	Facile and Sensitive Fluorescence Assay of DNA Polymerase Activity Using Cu2+ and Ascorbate as Signal Developers. <b>2019</b> , 4, 2398-2403		1
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341	Fabrication of cefotaxime sodium-functionalized gold nanoclusters for the detection of copper ions in Chinese herbal medicines <b>2019</b> , 9, 5037-5044	10
340	A copper-mediated on-off-on gold nanocluster for endogenous GSH sensing to drive cancer cell recognition. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 2169-2176	24
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331	Protein-activated transformation of silver nanoparticles into blue and red-emitting nanoclusters <b>2019</b> , 9, 39405-39409	8
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322	Construction of novel electrochemical sensors based on bimetallic nanoparticle functionalized graphene for determination of sunset yellow in soft drink. <i>Journal of Electroanalytical Chemistry</i> , 4.1 <b>2019</b> , 833, 393-400	33
321	Stability and Reactivity of Silicon Magic Numbers Doped with Aluminum and Phosphorus Atoms. <b>2019</b> , 123, 247-256	2
320	Designed inorganic nanomaterials for intrinsic peroxidase mimics: A review. <b>2019</b> , 283, 18-34	51
319	Quantitative mapping of specific proteins in biological tissues by laser ablation-ICP-MS using exogenous labels: aspects to be considered. <b>2019</b> , 411, 549-558	18
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311	Facile hydrothermal synthesis of nitrogen rich blue fluorescent carbon dots for cell bio-imaging of Candida albicans. <b>2020</b> , 88, 113-119	19
310	Embedding carbon dots and gold nanoclusters in metal-organic frameworks for ratiometric fluorescence detection of Cu. <b>2020</b> , 412, 1317-1324	27
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292	Cocrystals of Atomically Precise Noble Metal Nanoclusters. <b>2021</b> , 17, e2003981	7
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267	Heroes or Villains? How Nontraditional Luminescent Materials Do and Do Not Enhance Bioanalysis and Imaging <b>2020</b> , 32, 4863-4883		5
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243	Smart Sorting of Tumor Phenotype with Versatile Fluorescent Ag Nanoclusters by Sensing Specific Reactive Oxygen Species. <b>2020</b> , 10, 3430-3450	8
242	Aluminum-Enhanced Fluorescence of Cu Nanoclusters: An Effective Method for Sensitive Detection of Fluoride in Aqueous and Bioimaging <b>2020</b> , 3, 1712-1721	2
241	Fluorochromic polymer films containing ultrasmall silver nanoclusters. <b>2020</b> , 31, 245703	1
240	Synthesis of MUC1 aptamer-stabilized gold nanoclusters for cell-specific imaging. <b>2020</b> , 212, 120796	14
239	Augmented interaction of multivalent arginine coated gold nanoclusters with lipid membranes and cells <b>2020</b> , 10, 6436-6443	2
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97	Excellent Multiphoton Excitation Fluorescence with Large Multiphoton Absorption Cross Sections of Arginine-Modified Gold Nanoclusters for Bioimaging <i>ACS Applied Materials &amp; Discrete Materials &amp; D</i>	9.5	3
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