Xiaogang Qu

List of Publications by Year in Descending Order

377 papers	31,642 citations	94 h-index	164 g-index
401 ext. papers	36,963 ext. citations	11.9 avg, IF	7.94 L-index

#	Paper	IF	Citations
377	Self-Adaptive Single-Atom Catalyst Boosting Selective Ferroptosis in Tumor Cells.. *ACS Nano*, **2022**,	16.7	10
376	Yeast@MOF bioreactor as a tumor metabolic symbiosis disruptor for the potent inhibition of metabolically heterogeneous tumors. *Nano Today*, **2022**, 42, 101331	17.9	1
375	Recent progress in sensor arrays using nucleic acid as sensing elements. *Coordination Chemistry Reviews*, **2022**, 456, 214379	23.2	2
374	A Metabolic Multistage Glutathione Depletion Used for Tumor-Specific Chemodynamic Therapy.. *ACS Nano*, **2022**,	16.7	12
373	DNA-based platform for efficient and precisely targeted bioorthogonal catalysis in living systems.. *Nature Communications*, **2022**, 13, 1459	17.4	5
372	The COVID-19 susceptibility of cancer patients might due to the high expression of SARS-CoV-2 required host factors.. *Journal of Infection*, **2021**,	18.9	1
371	Bio-Inspired Bimetallic Enzyme Mimics as Bio-Orthogonal Catalysts for Enhanced Bacterial Capture and Inhibition. *Chemistry of Materials*, **2021**, 33, 8052-8058	9.6	4
370	MicroRNA-Triggered Nanozymes Cascade Reaction for Tumor-Specific Chemodynamic Therapy. *Chemistry - A European Journal*, **2021**,	4.8	1
369	Biological Mediator-Propelled Nanosweeper for Nonpharmaceutical Thrombus Therapy. *ACS Nano*, **2021**, 15, 6604-6613	16.7	18
368	Current Strategies for Modulating A□Aggregation with Multifunctional Agents. *Accounts of Chemical Research*, **2021**, 54, 2172-2184	24.3	28
367	A Bimetallic Metal-Organic Framework Encapsulated with DNAzyme for Intracellular Drug Synthesis and Self-Sufficient Gene Therapy. *Angewandte Chemie - International Edition*, **2021**, 60, 12431-12437	16.4	13
366	A Bimetallic Metal□Organic Framework Encapsulated with DNAzyme for Intracellular Drug Synthesis and Self-Sufficient Gene Therapy. *Angewandte Chemie*, **2021**, 133, 12539-12545	3.6	2
365	A Nature-Inspired Metal-Organic Framework Discriminator for Differential Diagnosis of Cancer Cell Subtypes. *Angewandte Chemie - International Edition*, **2021**, 60, 15436-15444	16.4	16
364	The recent biological applications of selenium-based nanomaterials. *Nano Today*, **2021**, 38, 101205	17.9	9
363	A Nature-Inspired Metal□Organic Framework Discriminator for Differential Diagnosis of Cancer Cell Subtypes. *Angewandte Chemie*, **2021**, 133, 15564-15572	3.6	1
362	Cell membrane-camouflaged liposomes for tumor cell-selective glycans engineering and imaging in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	3
361	Targeting RNA G-Quadruplex in SARS-CoV-2: A Promising Therapeutic Target for COVID-19?. *Angewandte Chemie*, **2021**, 133, 436-442	3.6	5

360	Nature-Inspired Construction of MOF@COF Nanozyme with Active Sites in Tailored Microenvironment and Pseudopodia-Like Surface for Enhanced Bacterial Inhibition. *Angewandte Chemie*, **2021**, 133, 3511-3516	3.6	1
359	Nature-Inspired Construction of MOF@COF Nanozyme with Active Sites in Tailored Microenvironment and Pseudopodia-Like Surface for Enhanced Bacterial Inhibition. *Angewandte Chemie - International Edition*, **2021**, 60, 3469-3474	16.4	70
358	Targeting RNA G-Quadruplex in SARS-CoV-2: A Promising Therapeutic Target for COVID-19?. *Angewandte Chemie - International Edition*, **2021**, 60, 432-438	16.4	51
357	Catalytic asymmetric hydrogenation reaction by in situ formed ultra-fine metal nanoparticles in live thermophilic hydrogen-producing bacteria. *Nanoscale*, **2021**, 13, 8024-8029	7.7	3
356	Glycoengineering artificial receptors for microglia to phagocytose A□aggregates. *Chemical Science*, **2021**, 12, 4963-4969	9.4	8
355	A□aggregation behavior at interfaces with switchable wettability: a bioinspired perspective to understand amyloid formation. *Chemical Communications*, **2021**, 57, 2641-2644	5.8	2
354	Nucleic acid-driven aggregation-induced emission of Au nanoclusters for visualizing telomerase activity in living cells and in vivo. *Materials Horizons*, **2021**, 8, 1769-1775	14.4	7
353	Elimination of macrophage-entrapped antibiotic-resistant bacteria by a targeted metal-organic framework-based nanoplatform. *Chemical Communications*, **2021**, 57, 2903-2906	5.8	4
352	Electronic Band-Engineered Nanomaterials for Biosafety and Biomedical Application. *Accounts of Materials Research*, **2021**, 2, 764-779	7.5	3
351	From mouse to mouse-ear cress: Nanomaterials as vehicles in plant biotechnology. *Exploration*, **2021**, 1, 9-20		13
350	Engineering Amyloid Aggregation as a New Way to Eliminate Cancer Stem Cells by the Disruption of Iron Homeostasis. *Nano Letters*, **2021**, 21, 7379-7387	11.5	1
349	Near-infrared target enhanced peripheral clearance of amyloid-□n Alzheimer's disease model. *Biomaterials*, **2021**, 276, 121065	15.6	3
348	Nanozymes: A clear definition with fuzzy edges. *Nano Today*, **2021**, 40, 101269	17.9	97
347	Antibody Mimics as Bio-orthogonal Catalysts for Highly Selective Bacterial Recognition and Antimicrobial Therapy. *ACS Nano*, **2021**, 15, 15841-15849	16.7	7
346	Self-Protecting Biomimetic Nanozyme for Selective and Synergistic Clearance of Peripheral Amyloid-□n an Alzheimer's Disease Model. *Journal of the American Chemical Society*, **2020**, 142, 21702-21711	16.4	36
345	MOF-encapsulated nanozyme enhanced siRNA combo: Control neural stem cell differentiation and ameliorate cognitive impairments in Alzheimer's disease model. *Biomaterials*, **2020**, 255, 120160	15.6	47
344	Right-/left-handed helical G-quartet nanostructures with full-color and energy transfer circularly polarized luminescence. *Chemical Communications*, **2020**, 56, 7706-7709	5.8	8
343	Modular AND Gate-Controlled Delivery Platform for Tumor Microenvironment Specific Activation of Protein Activity. *Chemistry - A European Journal*, **2020**, 26, 7573-7577	4.8	0

342	Neutrophil-Membrane-Directed Bioorthogonal Synthesis of Inflammation-Targeting Chiral Drugs. *CheM*, **2020**, 6, 2060-2072	16.2	28
341	A mesoporous encapsulated nanozyme for decontaminating two kinds of wastewater and avoiding secondary pollution. *Nanoscale*, **2020**, 12, 14465-14471	7.7	13
340	Molecular crowding effects on the biochemical properties of amyloid -heme, A-Cu and A-heme-Cu complexes. *Chemical Science*, **2020**, 11, 7479-7486	9.4	5
339	Bioinspired Construction of a Nanozyme-Based HO Homeostasis Disruptor for Intensive Chemodynamic Therapy. *Journal of the American Chemical Society*, **2020**, 142, 5177-5183	16.4	195
338	Developing Enzyme-Responsive Nanomedicine for Inhibition of hTERT Mitochondrial Translocation. *Advanced Therapeutics*, **2020**, 3, 1900203	4.9	3
337	Hydrogel-based artificial enzyme for combating bacteria and accelerating wound healing. *Nano Research*, **2020**, 13, 496-502	10	27
336	Colorimetric Band-aids for Point-of-Care Sensing and Treating Bacterial Infection. *ACS Central Science*, **2020**, 6, 207-212	16.8	44
335	An Enzyme-Mimicking Single-Atom Catalyst as an Efficient Multiple Reactive Oxygen and Nitrogen Species Scavenger for Sepsis Management. *Angewandte Chemie - International Edition*, **2020**, 59, 5108-5115	16.4	82
334	An Enzyme-Mimicking Single-Atom Catalyst as an Efficient Multiple Reactive Oxygen and Nitrogen Species Scavenger for Sepsis Management. *Angewandte Chemie*, **2020**, 132, 5146-5153	3.6	12
333	A DNA/metal cluster-based nano-lantern as an intelligent theranostic device. *Chemical Communications*, **2020**, 56, 5295-5298	5.8	4
332	Nanozymology: Perspective and Challenges. *Nanostructure Science and Technology*, **2020**, 557-562	0.9	
331	Carbon-based Nanozeymes. *Nanostructure Science and Technology*, **2020**, 171-193	0.9	2
330	A chiral covalent organic framework (COF) nanozyme with ultrahigh enzymatic activity. *Materials Horizons*, **2020**, 7, 3291-3297	14.4	21
329	Carbon Monoxide Controllable Targeted Gas Therapy for Synergistic Anti-inflammation. *IScience*, **2020**, 23, 101483	6.1	11
328	Target-driven supramolecular self-assembly for selective amyloid-photooxygenation against Alzheimer's disease. *Chemical Science*, **2020**, 11, 11003-11008	9.4	11
327	Recent advances in the construction of nanozyme-based logic gates. *Biophysics Reports*, **2020**, 6, 245-255	3.5	1
326	Fe(III)-Oxidized Graphitic Carbon Nitride Nanosheets as a Sensitive Fluorescent Sensor for Detection and Imaging of Fluoride Ions. *Sensors and Actuators B: Chemical*, **2020**, 321, 128630	8.5	6
325	Tumor-activatable ultrasmall nanozyme generator for enhanced penetration and deep catalytic therapy. *Biomaterials*, **2020**, 258, 120263	15.6	30

324	Phenol-like group functionalized graphene quantum dots structurally mimicking natural antioxidants for highly efficient acute kidney injury treatment. *Chemical Science*, **2020**, 11, 12721-12730	9.4	14
323	A Biocompatible Second Near-Infrared Nanozyme for Spatiotemporal and Non-Invasive Attenuation of Amyloid Deposition through Scalp and Skull. *ACS Nano*, **2020**, 14, 9894-9903	16.7	31
322	A Smart Nanoparticle-Laden and Remote-Controlled Self-Destructive Macrophage for Enhanced Chemo/Chemodynamic Synergistic Therapy. *ACS Nano*, **2020**, 14, 13894-13904	16.7	46
321	Construction of a chiral artificial enzyme used for enantioselective catalysis in live cells. *Chemical Science*, **2020**, 11, 11344-11350	9.4	6
320	Near-infrared-traceable DNA nano-hydrolase: specific eradication of telomeric G-overhang in vivo. *Nucleic Acids Research*, **2020**, 48, 9986-9994	20.1	1
319	Self-Propelled Active Photothermal Nanoswimmer for Deep-Layered Elimination of Biofilm In Vivo. *Nano Letters*, **2020**, 20, 7350-7358	11.5	45
318	Near-Infrared Light Dual-Promoted Heterogeneous Copper Nanocatalyst for Highly Efficient Bioorthogonal Chemistry. *ACS Nano*, **2020**, 14, 4178-4187	16.7	30
317	Defect-Rich Adhesive Nanozymes as Efficient Antibiotics for Enhanced Bacterial Inhibition. *Angewandte Chemie*, **2019**, 131, 16382-16388	3.6	6
316	Defect-Rich Adhesive Nanozymes as Efficient Antibiotics for Enhanced Bacterial Inhibition. *Angewandte Chemie - International Edition*, **2019**, 58, 16236-16242	16.4	129
315	Primer-Modified G-Quadruplex-Au Nanoparticles for Colorimetric Assay of Human Telomerase Activity and Initial Screening of Telomerase Inhibitors. *Methods in Molecular Biology*, **2019**, 2035, 347-356	1.4	0
314	Renal-clearable ultrasmall covalent organic framework nanodots as photodynamic agents for effective cancer therapy. *Biomaterials*, **2019**, 223, 119462	15.6	64
313	Silver-Infused Porphyrinic Metal□Organic Framework: Surface-Adaptive, On-Demand Nanoplatform for Synergistic Bacteria Killing and Wound Disinfection. *Advanced Functional Materials*, **2019**, 29, 1808594	15.6	102
312	DNA-MnO nanosheets as washing- and label-free platform for array-based differentiation of cell types. *Analytica Chimica Acta*, **2019**, 1056, 1-6	6.6	9
311	Porphyrin MOF Dots□Based, Function-Adaptive Nanoplatform for Enhanced Penetration and Photodynamic Eradication of Bacterial Biofilms. *Advanced Functional Materials*, **2019**, 29, 1903018	15.6	88
310	Near-Infrared Activated Black Phosphorus as a Nontoxic Photo-Oxidant for Alzheimer's Amyloid-□ Peptide. *Small*, **2019**, 15, e1901116	11	44
309	Constructing metal□organic framework nanodots as bio-inspired artificial superoxide dismutase for alleviating endotoxemia. *Materials Horizons*, **2019**, 6, 1682-1687	14.4	37
308	Two-Dimensional Metal-Organic Framework/Enzyme Hybrid Nanocatalyst as a Benign and Self-Activated Cascade Reagent for in Vivo Wound Healing. *ACS Nano*, **2019**, 13, 5222-5230	16.7	202
307	A Biocompatible Heterogeneous MOF-Cu Catalyst for In Vivo Drug Synthesis in Targeted Subcellular Organelles. *Angewandte Chemie - International Edition*, **2019**, 58, 6987-6992	16.4	90

306	A Biocompatible Heterogeneous MOF□u Catalyst for In Vivo Drug Synthesis in Targeted Subcellular Organelles. *Angewandte Chemie*, **2019**, 131, 7061-7066	3.6	28
305	Chirality-Selected Chemical Modulation of Amyloid Aggregation. *Journal of the American Chemical Society*, **2019**, 141, 6915-6921	16.4	45
304	Construction of Nanozyme-Hydrogel for Enhanced Capture and Elimination of Bacteria. *Advanced Functional Materials*, **2019**, 29, 1900518	15.6	109
303	A series of MOF/Ce-based nanozymes with dual enzyme-like activity disrupting biofilms and hindering recolonization of bacteria. *Biomaterials*, **2019**, 208, 21-31	15.6	102
302	Nanozymes: Classification, Catalytic Mechanisms, Activity Regulation, and Applications. *Chemical Reviews*, **2019**, 119, 4357-4412	68.1	1010
301	Renal-Clearable Porphyrinic Metal-Organic Framework Nanodots for Enhanced Photodynamic Therapy. *ACS Nano*, **2019**, 13, 9206-9217	16.7	68
300	Wireless near-infrared electrical stimulation of neurite outgrowth. *Chemical Communications*, **2019**, 55, 9833-9836	5.8	4
299	Depriving Bacterial Adhesion-Related Molecule to Inhibit Biofilm Formation Using CeO -Decorated Metal-Organic Frameworks. *Small*, **2019**, 15, e1902522	11	37
298	A Near-Infrared-Controllable Artificial Metalloprotease Used for Degrading Amyloid-□Monomers and Aggregates. *Chemistry - A European Journal*, **2019**, 25, 11852-11858	4.8	18
297	Remote and reversible control of in vivo bacteria clustering by NIR-driven multivalent upconverting nanosystems. *Biomaterials*, **2019**, 217, 119310	15.6	17
296	A Sequential Target-Responsive Nanocarrier with Enhanced Tumor Penetration and Neighboring Effect In Vivo. *Small*, **2019**, 15, e1903323	11	18
295	Ultrasensitive magnetic resonance imaging of systemic reactive oxygen species for early diagnosis of sepsis using activatable nanoprobes. *Chemical Science*, **2019**, 10, 3770-3778	9.4	23
294	Combating Biofilm Associated Infection In Vivo: Integration of Quorum Sensing Inhibition and Photodynamic Treatment based on Multidrug Delivered Hollow Carbon Nitride Sphere. *Advanced Functional Materials*, **2019**, 29, 1808222	15.6	44
293	Aggregation-induced emission-active Au nanoclusters for ratiometric sensing and bioimaging of highly reactive oxygen species. *Chemical Communications*, **2019**, 55, 15097-15100	5.8	20
292	G-quadruplex DNA regulates invertible circularly polarized luminescence. *Journal of Materials Chemistry C*, **2019**, 7, 13947-13952	7.1	17
291	Glutathione Depletion in a Benign Manner by MoS -Based Nanoflowers for Enhanced Hypoxia-Irrelevant Free-Radical-Based Cancer Therapy. *Small*, **2019**, 15, e1904870	11	50
290	Self-triggered click reaction in an Alzheimer's disease model: bifunctional drug synthesis catalyzed by neurotoxic copper accumulated in amyloid-□plaques. *Chemical Science*, **2019**, 10, 10343-10350	9.4	19
289	Metal-Organic Frameworks Harness Cu Chelating and Photooxidation Against Amyloid □ Aggregation in Vivo. *Chemistry - A European Journal*, **2019**, 25, 3489-3495	4.8	32

288	New insights into nanomaterials combating bacteria: ROS and beyond. *Science China Life Sciences*, **2019**, 62, 150-152	8.5	11
287	Facile preparation of metal-organic frameworks-based hydrophobic anticancer drug delivery nanoplatform for targeted and enhanced cancer treatment. *Talanta*, **2019**, 194, 703-708	6.2	42
286	Direct visualization of MicroRNA in vivo via an intelligent MnO2-carried catalytic DNA machine. *Sensors and Actuators B: Chemical*, **2019**, 283, 124-129	8.5	5
285	Cross-fibrillation of insulin and amyloid on chiral surfaces: Chirality affects aggregation kinetics and cytotoxicity. *Nano Research*, **2018**, 11, 4102-4110	10	16
284	Enzyme Mimicry for Combating Bacteria and Biofilms. *Accounts of Chemical Research*, **2018**, 51, 789-799	24.3	216
283	Point-of-Care Identification of Bacteria Using Protein-Encapsulated Gold Nanoclusters. *Advanced Healthcare Materials*, **2018**, 7, e1701370	10.1	30
282	Carbon Nanozymes: Enzymatic Properties, Catalytic Mechanism, and Applications. *Angewandte Chemie - International Edition*, **2018**, 57, 9224-9237	16.4	274
281	Se-Methylselenocysteine Ameliorates Neuropathology and Cognitive Deficits by Attenuating Oxidative Stress and Metal Dyshomeostasis in Alzheimer Model Mice. *Molecular Nutrition and Food Research*, **2018**, 62, e1800107	5.9	23
280	DNA metallization: principles, methods, structures, and applications. *Chemical Society Reviews*, **2018**, 47, 4017-4072	58.5	108
279	Kohlenstoff-Nanozyme: Enzymatische Eigenschaften, Katalysemechanismen und Anwendungen. *Angewandte Chemie*, **2018**, 130, 9366-9379	3.6	11
278	Bioinspired Design of Fe -Doped Mesoporous Carbon Nanospheres for Enhanced Nanozyme Activity. *Chemistry - A European Journal*, **2018**, 24, 7259-7263	4.8	45
277	Designed heterogeneous palladium catalysts for reversible light-controlled bioorthogonal catalysis in living cells. *Nature Communications*, **2018**, 9, 1209	17.4	82
276	Specific Oxygenated Groups Enriched Graphene Quantum Dots as Highly Efficient Enzyme Mimics. *Small*, **2018**, 14, e1703710	11	60
275	Stereochemistry and amyloid inhibition: Asymmetric triplex metallohelices enantioselectively bind to A peptide. *Science Advances*, **2018**, 4, eaao6718	14.3	39
274	Phytochemical-encapsulated nanoplatform for on-demand synergistic treatment of multidrug-resistant bacteria. *Nano Research*, **2018**, 11, 3762-3770	10	21
273	Fingerprint-like pattern for recognition of thiols. *Sensors and Actuators B: Chemical*, **2018**, 260, 183-188	8.5	7
272	Nanozyme Decorated Metal-Organic Frameworks for Enhanced Photodynamic Therapy. *ACS Nano*, **2018**, 12, 651-661	16.7	464
271	Nucleobases, nucleosides, and nucleotides: versatile biomolecules for generating functional nanomaterials. *Chemical Society Reviews*, **2018**, 47, 1285-1306	58.5	116

270	Selenium-Based Nanozyme as Biomimetic Antioxidant Machinery. *Chemistry - A European Journal*, **2018**, 24, 10224	4.8	27
269	Rational design of a sense and treat system to target amyloid aggregates related to Alzheimer's disease. *Nano Research*, **2018**, 11, 1987-1997	10	14
268	Biomolecule-templated photochemical synthesis of silver nanoparticles: Multiple readouts of localized surface plasmon resonance for pattern recognition. *Nano Research*, **2018**, 11, 3213-3221	10	20
267	Photocontrolled Multidirectional Differentiation of Mesenchymal Stem Cells on an Upconversion Substrate. *Angewandte Chemie - International Edition*, **2018**, 57, 11182-11187	16.4	33
266	Photocontrolled Multidirectional Differentiation of Mesenchymal Stem Cells on an Upconversion Substrate. *Angewandte Chemie*, **2018**, 130, 11352-11357	3.6	4
265	Near-Infrared Switchable Fullerene-Based Synergy Therapy for Alzheimer's Disease. *Small*, **2018**, 14, e1801852	11	57
264	Biomimetic nanoflowers by self-assembly of nanozymes to induce intracellular oxidative damage against hypoxic tumors. *Nature Communications*, **2018**, 9, 3334	17.4	308
263	A HO-free depot for treating bacterial infection: localized cascade reactions to eradicate biofilms in vivo. *Nanoscale*, **2018**, 10, 17656-17662	7.7	26
262	Redox-Activated Near-Infrared-Responsive Polyoxometalates Used for Photothermal Treatment of Alzheimer's Disease. *Advanced Healthcare Materials*, **2018**, 7, e1800320	10.1	30
261	An intelligent 1:2 demultiplexer as an intracellular theranostic device based on DNA/Ag cluster-gated nanovehicles. *Nanotechnology*, **2018**, 29, 065501	3.4	12
260	Graphitic carbon nitride nanosheets as a multifunctional nanoplatform for photochemical internalization-enhanced photodynamic therapy. *Journal of Materials Chemistry B*, **2018**, 6, 7908-7915	7.3	22
259	Manipulating cell fate: dynamic control of cell behaviors on functional platforms. *Chemical Society Reviews*, **2018**, 47, 8639-8684	58.5	82
258	Nanozyme as Artificial Receptor with Multiple Readouts for Pattern Recognition. *Analytical Chemistry*, **2018**, 90, 11775-11779	7.8	66
257	Erythrocyte Membrane Cloaked Metal-Organic Framework Nanoparticle as Biomimetic Nanoreactor for Starvation-Activated Colon Cancer Therapy. *ACS Nano*, **2018**, 12, 10201-10211	16.7	214
256	Photomodulated Nanozyme Used for a Gram-Selective Antimicrobial. *Chemistry of Materials*, **2018**, 30, 7027-7033	9.6	58
255	Ultrasmall Nanozymes Isolated within Porous Carbonaceous Frameworks for Synergistic Cancer Therapy: Enhanced Oxidative Damage and Reduced Energy Supply. *Chemistry of Materials*, **2018**, 30, 7831-7839	9.6	59
254	Mirror-Image Dependence: Targeting Enantiomeric G-Quadruplex DNA Using Triplex Metallohelices. *Angewandte Chemie - International Edition*, **2018**, 57, 15723-15727	16.4	29
253	Mirror-Image Dependence: Targeting Enantiomeric G-Quadruplex DNA Using Triplex Metallohelices. *Angewandte Chemie*, **2018**, 130, 15949-15953	3.6	13

252	Mesoporous Encapsulated Chiral Nanogold for Use in Enantioselective Reactions. *Angewandte Chemie - International Edition*, **2018**, 57, 16791-16795	16.4	54
251	Mesoporous Encapsulated Chiral Nanogold for Use in Enantioselective Reactions. *Angewandte Chemie*, **2018**, 130, 17033-17037	3.6	7
250	Metal-Organic Framework-Based Nanoplatform for Intracellular Environment-Responsive Endo/Lysosomal Escape and Enhanced Cancer Therapy. *ACS Applied Materials & Interfaces*, **2018**, 10, 31998-32005	9.5	47
249	Unraveling the Enzymatic Activity of Oxygenated Carbon Nanotubes and Their Application in the Treatment of Bacterial Infections. *Nano Letters*, **2018**, 18, 3344-3351	11.5	120
248	Metal-organic-framework-supported immunostimulatory oligonucleotides for enhanced immune response and imaging. *Chemical Communications*, **2017**, 53, 1840-1843	5.8	41
247	Encapsulation of aggregated gold nanoclusters in a metal-organic framework for real-time monitoring of drug release. *Nanoscale*, **2017**, 9, 4128-4134	7.7	72
246	A GO-Se nanocomposite as an antioxidant nanozyme for cytoprotection. *Chemical Communications*, **2017**, 53, 3082-3085	5.8	51
245	N-Methyl Mesoporphyrin IX as an Effective Probe for Monitoring Alzheimer's Disease Amyloid Aggregation in Living Cells. *ACS Chemical Neuroscience*, **2017**, 8, 1299-1304	5.7	23
244	Host–Guest recognition on photo-responsive cell surfaces directs cell–cell contacts. *Materials Today* , **2017**, 20, 16-21	21.8	21
243	Chiral metallohelices enantioselectively target hybrid human telomeric G-quadruplex DNA. *Nucleic Acids Research*, **2017**, 45, 5026-5035	20.1	34
242	An Efficient and Benign Antimicrobial Depot Based on Silver-Infused MoS. *ACS Nano*, **2017**, 11, 4651-4659	26.7	139
241	A label-free ratiometric electrochemical DNA sensor for monitoring intracellular redox homeostasis. *Chemical Communications*, **2017**, 53, 6215-6218	5.8	27
240	Immobilization of enzyme on chiral polyelectrolyte surface. *Analytica Chimica Acta*, **2017**, 952, 88-95	6.6	19
239	Light-Mediated Reversible Modulation of ROS Level in Living Cells by Using an Activity-Controllable Nanozyme. *Small*, **2017**, 13, 1603051	11	52
238	Artificial Enzyme-based Logic Operations to Mimic an Intracellular Enzyme-participated Redox Balance System. *Chemistry - A European Journal*, **2017**, 23, 9156-9161	4.8	12
237	Chemically individual armoured bioreporter bacteria used for the in vivo sensing of ultra-trace toxic metal ions. *Chemical Communications*, **2017**, 53, 8415-8418	5.8	5
236	An intelligent near-infrared light activatable nanosystem for accurate regulation of zinc signaling in living cells. *Nano Research*, **2017**, 10, 3068-3076	10	7
235	A DNA-Based Label-Free Artificial Tongue for Pattern Recognition of Metal Ions. *Chemistry - A European Journal*, **2017**, 23, 9258-9261	4.8	20

234	Hyaluronic Acid-Templated Ag Nanoparticles/Graphene Oxide Composites for Synergistic Therapy of Bacteria Infection. *ACS Applied Materials & Interfaces*, **2017**, 9, 19717-19724	9.5	86
233	A NIR-controlled cage mimicking system for hydrophobic drug mediated cancer therapy. *Biomaterials*, **2017**, 139, 151-162	15.6	72
232	A graphene-based chemical nose/tongue approach for the identification of normal, cancerous and circulating tumor cells. *NPG Asia Materials*, **2017**, 9, e356-e356	10.3	43
231	A pH-switched mesoporous nanoreactor for synergetic therapy. *Nano Research*, **2017**, 10, 1651-1661	10	15
230	Metallo-supramolecular Complexes Enantioselectively Eradicate Cancer Stem Cells in Vivo. *Journal of the American Chemical Society*, **2017**, 139, 16201-16209	16.4	47
229	A Near-Infrared Responsive Drug Sequential Release System for Better Eradicating Amyloid Aggregates. *Small*, **2017**, 13, 1701817	11	25
228	A bifunctional nanomodulator for boosting CpG-mediated cancer immunotherapy. *Nanoscale*, **2017**, 9, 14236-14247	7.7	38
227	How functional groups influence the ROS generation and cytotoxicity of graphene quantum dots. *Chemical Communications*, **2017**, 53, 10588-10591	5.8	54
226	Manganese Dioxide Nanozymes as Responsive Cytoprotective Shells for Individual Living Cell Encapsulation. *Angewandte Chemie*, **2017**, 129, 13849-13853	3.6	11
225	Manganese Dioxide Nanozymes as Responsive Cytoprotective Shells for Individual Living Cell Encapsulation. *Angewandte Chemie - International Edition*, **2017**, 56, 13661-13665	16.4	124
224	Confinement of Reactive Oxygen Species in an Artificial-Enzyme-Based Hollow Structure To Eliminate Adverse Effects of Photocatalysis on UV Filters. *Chemistry - A European Journal*, **2017**, 23, 13518-13524	4.8	12
223	Autonomous and Continuous Stimuli-Responsive Polymer Surface for Antibacterial Application through Enzymatic Self-Propagating Reactions. *Chemistry - A European Journal*, **2017**, 23, 14883-14888	4.8	9
222	Stereoselective Nanozyme Based on Ceria Nanoparticles Engineered with Amino Acids. *Chemistry - A European Journal*, **2017**, 23, 18146-18150	4.8	43
221	Metal-Ion-Activated DNAzymes Used for Regulation of Telomerase Activity in Living Cells. *Chemistry - A European Journal*, **2017**, 23, 11226-11229	4.8	15
220	Novel electrochemiluminescence of silver nanoclusters fabricated on triplex DNA scaffolds for label-free detection of biothiols. *Biosensors and Bioelectronics*, **2017**, 98, 378-385	11.8	37
219	Versatile Dual Photoresponsive System for Precise Control of Chemical Reactions. *ACS Nano*, **2017**, 11, 7770-7780	16.7	40
218	Nucleic acid-templated functional nanocomposites for biomedical applications. *Materials Today*, **2017**, 20, 179-190	21.8	27
217	Activation of biologically relevant levels of reactive oxygen species by Au/g-CN hybrid nanozyme for bacteria killing and wound disinfection. *Biomaterials*, **2017**, 113, 145-157	15.6	234

216	Using Multifunctional Peptide Conjugated Au Nanorods for Monitoring β-amyloid Aggregation and Chemo-Photothermal Treatment of Alzheimer's Disease. *Theranostics*, **2017**, 7, 2996-3006	12.1	56
215	Label-free ratiometric electrochemical detection of the mutated apolipoprotein E gene associated with Alzheimer's disease. *Chemical Communications*, **2016**, 52, 12080-12083	5.8	43
214	Metal-Organic-Framework-Based Vaccine Platforms for Enhanced Systemic Immune and Memory Response. *Advanced Functional Materials*, **2016**, 26, 6454-6461	15.6	152
213	Spatiotemporal control of cell-cell reversible interactions using molecular engineering. *Nature Communications*, **2016**, 7, 13088	17.4	73
212	Platinum-coordinated graphitic carbon nitride nanosheet used for targeted inhibition of amyloid β-peptide aggregation. *Nano Research*, **2016**, 9, 2411-2423	10	28
211	Ceria/POMs hybrid nanoparticles as a mimicking metallopeptidase for treatment of neurotoxicity of amyloid-β peptide. *Biomaterials*, **2016**, 98, 92-102	15.6	101
210	A β-Lactamase-Imprinted Responsive Hydrogel for the Treatment of Antibiotic-Resistant Bacteria. *Angewandte Chemie*, **2016**, 128, 8181-8185	3.6	11
209	Conformational switch-mediated accelerated release of drug from cytosine-rich nucleic acid-capped magnetic nanovehicles. *Chemical Communications*, **2016**, 52, 3364-7	5.8	4
208	Artificial tongue based on metal-biomolecule coordination polymer nanoparticles. *Chemical Communications*, **2016**, 52, 3410-3	5.8	43
207	Incorporation of O(6)-methylguanine restricts the conformational conversion of the human telomere G-quadruplex under molecular crowding conditions. *Chemical Communications*, **2016**, 52, 1903-6	5.8	3
206	Design of a plasmonic micromotor for enhanced photo-remediation of polluted anaerobic stagnant waters. *Chemical Communications*, **2016**, 52, 5550-3	5.8	31
205	Carbon Nanomaterials and DNA: from Molecular Recognition to Applications. *Accounts of Chemical Research*, **2016**, 49, 461-70	24.3	113
204	Coupling a DNA-ligand ensemble with Ag cluster formation for the label-free and ratiometric detection of intracellular biothiols. *Chemical Communications*, **2016**, 52, 5167-70	5.8	31
203	Polyoxometalate-based nanozyme: Design of a multifunctional enzyme for multi-faceted treatment of Alzheimer's disease. *Nano Research*, **2016**, 9, 1079-1090	10	66
202	Synergistic eradication of antibiotic-resistant bacteria based biofilms in vivo using a NIR-sensitive nanoplatform. *Chemical Communications*, **2016**, 52, 5312-5	5.8	38
201	A graphitic hollow carbon nitride nanosphere as a novel photochemical internalization agent for targeted and stimuli-responsive cancer therapy. *Nanoscale*, **2016**, 8, 12570-8	7.7	71
200	Enantioselective targeting left-handed Z-G-quadruplex. *Chemical Communications*, **2016**, 52, 1365-8	5.8	16
199	Nucleic-acid-programmed Ag-nanoclusters as a generic platform for visualization of latent fingerprints and exogenous substances. *Chemical Communications*, **2016**, 52, 557-60	5.8	45

198	Self-Assembly of Multi-nanozymes to Mimic an Intracellular Antioxidant Defense System. *Angewandte Chemie - International Edition*, **2016**, 55, 6646-50	16.4	214
197	Self-Assembly of Multi-nanozymes to Mimic an Intracellular Antioxidant Defense System. *Angewandte Chemie*, **2016**, 128, 6758-6762	3.6	52
196	Design of Surface-Active Artificial Enzyme Particles to Stabilize Pickering Emulsions for High-Performance Biphasic Biocatalysis. *Advanced Materials*, **2016**, 28, 1682-8	24	105
195	A β-Lactamase-Imprinted Responsive Hydrogel for the Treatment of Antibiotic-Resistant Bacteria. *Angewandte Chemie - International Edition*, **2016**, 55, 8049-53	16.4	73
194	Programmed Bacteria Death Induced by Carbon Dots with Different Surface Charge. *Small*, **2016**, 12, 4713-8	11	126
193	DNA-fueled molecular machine for label-free and non-enzymatic ultrasensitive detection of telomerase activity. *Analyst, The*, **2016**, 141, 4855-8	5	4
192	Self-Assembly and Compartmentalization of Nanozymes in Mesoporous Silica-Based Nanoreactors. *Chemistry - A European Journal*, **2016**, 22, 5705-11	4.8	20
191	An ultrathin graphitic carbon nitride nanosheet: a novel inhibitor of metal-induced amyloid aggregation associated with Alzheimer's disease. *Journal of Materials Chemistry B*, **2016**, 4, 4072-4075	7.3	23
190	Non-toxic lead sulfide nanodots as efficient contrast agents for visualizing gastrointestinal tract. *Biomaterials*, **2016**, 100, 17-26	15.6	26
189	Antibacterial applications of graphene-based nanomaterials: Recent achievements and challenges. *Advanced Drug Delivery Reviews*, **2016**, 105, 176-189	18.5	314
188	Bacterial Hyaluronidase Self-Triggered Prodrug Release for Chemo-Photothermal Synergistic Treatment of Bacterial Infection. *Small*, **2016**, 12, 6200-6206	11	150
187	Embedding magnetic nanoparticles into coordination polymers to mimic zinc ion transporters for targeted tumor therapy. *Chemical Communications*, **2016**, 52, 12598-12601	5.8	9
186	Artificial Metalloenzyme-Based Enzyme Replacement Therapy for the Treatment of Hyperuricemia. *Advanced Functional Materials*, **2016**, 26, 7921-7928	15.6	37
185	A Multinuclear Metal Complex Based DNase-Mimetic Artificial Enzyme: Matrix Cleavage for Combating Bacterial Biofilms. *Angewandte Chemie - International Edition*, **2016**, 55, 10732-6	16.4	134
184	Rationally Designed CeNP@MnMoS4 Core-Shell Nanoparticles for Modulating Multiple Facets of Alzheimer's Disease. *Chemistry - A European Journal*, **2016**, 22, 14523-6	4.8	16
183	A Multinuclear Metal Complex Based DNase-Mimetic Artificial Enzyme: Matrix Cleavage for Combating Bacterial Biofilms. *Angewandte Chemie*, **2016**, 128, 10890-10894	3.6	24
182	Copper(II)‐Graphitic Carbon Nitride Triggered Synergy: Improved ROS Generation and Reduced Glutathione Levels for Enhanced Photodynamic Therapy. *Angewandte Chemie*, **2016**, 128, 11639-11643	3.6	79
181	Copper(II)-Graphitic Carbon Nitride Triggered Synergy: Improved ROS Generation and Reduced Glutathione Levels for Enhanced Photodynamic Therapy. *Angewandte Chemie - International Edition*, **2016**, 55, 11467-71	16.4	282

180	New insights in amyloid beta interactions with human telomerase. *Journal of the American Chemical Society*, **2015**, 137, 1213-9	16.4	53
179	Highly stable and reusable imprinted artificial antibody used for detection and disinfection of pathogens. *Chemical Science*, **2015**, 6, 2822-2826	9.4	48
178	Visible-light-driven enhanced antibacterial and biofilm elimination activity of graphitic carbon nitride by embedded Ag nanoparticles. *Nano Research*, **2015**, 8, 1648-1658	10	155
177	An efficient nano-based theranostic system for multi-modal imaging-guided photothermal sterilization in gastrointestinal tract. *Biomaterials*, **2015**, 56, 206-18	15.6	92
176	Enzyme-regulated the changes of pH values for assembling a colorimetric and multistage interconnection logic network with multiple readouts. *Analytica Chimica Acta*, **2015**, 870, 92-8	6.6	18
175	Cancer biomarker detection: recent achievements and challenges. *Chemical Society Reviews*, **2015**, 44, 2963-97	58.5	633
174	Deciphering a nanocarbon-based artificial peroxidase: chemical identification of the catalytically active and substrate-binding sites on graphene quantum dots. *Angewandte Chemie - International Edition*, **2015**, 54, 7176-80	16.4	274
173	Electrically pulsatile responsive drug delivery platform for treatment of Alzheimer disease. *Nano Research*, **2015**, 8, 2400-2414	10	29
172	Metal nanoclusters: novel probes for diagnostic and therapeutic applications. *Chemical Society Reviews*, **2015**, 44, 8636-63	58.5	504
171	Polyoxometalate-based Rewritable Paper. *Chemistry of Materials*, **2015**, 27, 7573-7576	9.6	52
170	Chemically exfoliated WS2 nanosheets efficiently inhibit amyloid peptide aggregation and can be used for photothermal treatment of Alzheimer disease. *Nano Research*, **2015**, 8, 3216-3227	10	66
169	Endogenous signalling control of cell adhesion by using aptamer functionalized biocompatible hydrogel. *Chemical Science*, **2015**, 6, 6762-6768	9.4	20
168	Recent advances in bioapplications of C-dots. *Carbon*, **2015**, 85, 309-327	10.4	280
167	Bifunctionalized mesoporous silica-supported gold nanoparticles: intrinsic oxidase and peroxidase catalytic activities for antibacterial applications. *Advanced Materials*, **2015**, 27, 1097-104	24	385
166	G-quartet-based nanostructure for mimicking light-harvesting antenna. *Angewandte Chemie - International Edition*, **2015**, 54, 892-6	16.4	45
165	Positional assembly of hemin and gold nanoparticles in graphene-mesoporous silica nanohybrids for tandem catalysis. *Chemical Science*, **2015**, 6, 1272-1276	9.4	63
164	Electrochemically and DNA-triggered cell release from ferrocene/ cyclodextrin and aptamer modified dualfunctionalized graphene substrate. *Nano Research*, **2015**, 8, 887-899	10	23
163	Gold-nanoparticle-based multifunctional amyloid- inhibitor against Alzheimer's disease. *Chemistry - A European Journal*, **2015**, 21, 829-35	4.8	93

162	Upconversion nanoprobes for efficiently in vitro imaging reactive oxygen species and in vivo diagnosing rheumatoid arthritis. *Biomaterials*, **2015**, 39, 15-22	15.6	86
161	Near-infrared absorbing mesoporous carbon nanoparticle as an intelligent drug carrier for dual-triggered synergistic cancer therapy. *Carbon*, **2015**, 82, 479-488	10.4	74
160	Cell-imprinted antimicrobial bionanomaterials with tolerable toxic side effects. *Small*, **2015**, 11, 1258-64	11	31
159	Innenrücktitelbild: Deciphering a Nanocarbon-Based Artificial Peroxidase: Chemical Identification of the Catalytically Active and Substrate-Binding Sites on Graphene Quantum Dots (Angew. Chem. 24/2015). *Angewandte Chemie*, **2015**, 127, 7305-7305	3.6	2
158	Mussel Byssus-Like Reversible Metal-Chelated Supramolecular Complex Used for Dynamic Cellular Surface Engineering and Imaging. *Advanced Functional Materials*, **2015**, 25, 3775-3784	15.6	59
157	Transmutation of Personal Glucose Meters into Portable and Highly Sensitive Microbial Pathogen Detection Platform. *Small*, **2015**, 11, 4970-5	11	44
156	Chiral Metallo-Supramolecular Complex Directed Enantioselective Self-Assembly of β-Sheet Breaker Peptide for Amyloid Inhibition. *Small*, **2015**, 11, 4651-5	11	7
155	G-Quartet-Based Nanostructure for Mimicking Light-Harvesting Antenna. *Angewandte Chemie*, **2015**, 127, 906-910	3.6	9
154	Deciphering a Nanocarbon-Based Artificial Peroxidase: Chemical Identification of the Catalytically Active and Substrate-Binding Sites on Graphene Quantum Dots. *Angewandte Chemie*, **2015**, 127, 7282-7286	3.6	32
153	Programmable Downregulation of Enzyme Activity Using a Fever and NIR-Responsive Molecularly Imprinted Nanocomposite. *Small*, **2015**, 11, 6172-8	11	11
152	A "Sense-and-Treat" Hydrogel Used for Treatment of Bacterial Infection on the Solid Matrix. *Small*, **2015**, 11, 5540-4	11	30
151	Hybridization chain reaction engineered dsDNA for Cu metallization: an enzyme-free platform for amplified detection of cancer cells and microRNAs. *Chemical Communications*, **2015**, 51, 11496-9	5.8	62
150	Noninvasive and Reversible Cell Adhesion and Detachment via Single-Wavelength Near-Infrared Laser Mediated Photoisomerization. *Journal of the American Chemical Society*, **2015**, 137, 8199-205	16.4	91
149	A CuS-based chemical tongue chip for pattern recognition of proteins and antibiotic-resistant bacteria. *Chemical Communications*, **2015**, 51, 2675-8	5.8	27
148	A cytotoxic amyloid oligomer self-triggered and NIR-enhanced amyloidosis therapeutic system. *Nano Research*, **2015**, 8, 2431-2444	10	6
147	Detection of telomerase on upconversion nanoparticle modified cellulose paper. *Chemical Communications*, **2015**, 51, 11630-3	5.8	33
146	One-step synthesized immunostimulatory oligonucleotides-functionalized quantum dots for simultaneous enhanced immunogenicity and cell imaging. *Colloids and Surfaces B: Biointerfaces*, **2015**, 126, 585-9	6	8
145	Tumor Microenvironment Activated Photothermal Strategy for Precisely Controlled Ablation of Solid Tumors upon NIR Irradiation. *Advanced Functional Materials*, **2015**, 25, 1574-1580	15.6	108

144	Synthesis of fluorinated and nonfluorinated graphene quantum dots through a new top-down strategy for long-time cellular imaging. *Chemistry - A European Journal*, **2015**, 21, 3791-7	4.8	88
143	Self-assembly of an organic-inorganic hybrid nanoflower as an efficient biomimetic catalyst for self-activated tandem reactions. *Chemical Communications*, **2015**, 51, 4386-9	5.8	117
142	Non-enzymatic-browning-reaction: a versatile route for production of nitrogen-doped carbon dots with tunable multicolor luminescent display. *Scientific Reports*, **2014**, 4, 3564	4.9	175
141	Multiconfigurable logic gates based on fluorescence switching in adaptive coordination polymer nanoparticles. *Advanced Materials*, **2014**, 26, 1111-7	24	101
140	Nano-gold as artificial enzymes: hidden talents. *Advanced Materials*, **2014**, 26, 4200-17	24	290
139	DNA-regulated upconverting nanoparticle signal transducers for multivalued logic operation. *Small*, **2014**, 10, 1500-3	11	25
138	DNA-mediated construction of hollow upconversion nanoparticles for protein harvesting and near-infrared light triggered release. *Advanced Materials*, **2014**, 26, 2424-30	24	99
137	Nanocomposite incorporating V2O5 nanowires and gold nanoparticles for mimicking an enzyme cascade reaction and its application in the detection of biomolecules. *Chemistry - A European Journal*, **2014**, 20, 7501-6	4.8	80
136	A Smart Nanoassembly for Multistage Targeted Drug Delivery and Magnetic Resonance Imaging. *Advanced Functional Materials*, **2014**, 24, 3612-3620	15.6	86
135	Cerium oxide nanoparticle: a remarkably versatile rare earth nanomaterial for biological applications. *NPG Asia Materials*, **2014**, 6, e90-e90	10.3	595
134	Catalytically active nanomaterials: a promising candidate for artificial enzymes. *Accounts of Chemical Research*, **2014**, 47, 1097-105	24.3	846
133	One-step nucleotide-programmed growth of porous upconversion nanoparticles: application to cell labeling and drug delivery. *Nanoscale*, **2014**, 6, 1445-52	7.7	56
132	Polypyrrole nanoparticles as promising enzyme mimics for sensitive hydrogen peroxide detection. *Chemical Communications*, **2014**, 50, 3030-2	5.8	103
131	Reduced graphene oxide functionalized with a luminescent rare-earth complex for the tracking and photothermal killing of drug-resistant bacteria. *Chemistry - A European Journal*, **2014**, 20, 394-8	4.8	60
130	A semipermeable enzymatic nanoreactor as an efficient modulator for reversible pH regulation. *Nanoscale*, **2014**, 6, 11328-35	7.7	12
129	Nucleic acids and smart materials: advanced building blocks for logic systems. *Advanced Materials*, **2014**, 26, 5742-57	24	81
128	Artificial Light-Harvesting Material Based on Self-Assembly of Coordination Polymer Nanoparticles. *Advanced Functional Materials*, **2014**, 24, 4549-4555	15.6	47
127	Functionalized graphene as sensitive electrochemical label in target-dependent linkage of split aptasensor for dual detection. *Biosensors and Bioelectronics*, **2014**, 62, 52-8	11.8	37

126	DNA-mediated biomineralization of rare-earth nanoparticles for simultaneous imaging and stimuli-responsive drug delivery. *Biomaterials*, **2014**, 35, 8694-702	15.6	43
125	Engineered CpG-Antigen Conjugates Protected Gold Nanoclusters as Smart Self-Vaccines for Enhanced Immune Response and Cell Imaging. *Advanced Functional Materials*, **2014**, 24, 1004-1010	15.6	90
124	Near-infrared upconversion controls photocaged cell adhesion. *Journal of the American Chemical Society*, **2014**, 136, 2248-51	16.4	170
123	Chiral metallohelical complexes enantioselectively target amyloid for treating Alzheimer's disease. *Journal of the American Chemical Society*, **2014**, 136, 11655-63	16.4	112
122	A multi-stimuli responsive gold nanocage-hyaluronic platform for targeted photothermal and chemotherapy. *Biomaterials*, **2014**, 35, 9678-88	15.6	149
121	Heterogeneous assembled nanocomplexes for ratiometric detection of highly reactive oxygen species in vitro and in vivo. *ACS Nano*, **2014**, 8, 6014-23	16.7	132
120	Array-based sensing of proteins and bacteria by using multiple luminescent nanodots as fluorescent probes. *Small*, **2014**, 10, 3667-71	11	48
119	Ionic liquids as precursors for highly luminescent, surface-different nitrogen-doped carbon dots used for label-free detection of Cu2+/Fe3+ and cell imaging. *Analytica Chimica Acta*, **2014**, 809, 128-33	6.6	132
118	Opposing enantiomers of tartaric acid anchored on a surface generate different insulin assemblies and hence contrasting cellular responses. *Chemical Science*, **2014**, 5, 4367-4374	9.4	26
117	Ultrasensitive Telomerase Activity Detection in Circulating Tumor Cells Based on DNA Metallization and Sharp Solid-State Electrochemical Techniques. *Advanced Functional Materials*, **2014**, 24, 2727-2733	15.6	57
116	A smart "sense-act-treat" system: combining a ratiometric pH sensor with a near infrared therapeutic gold nanocage. *Advanced Materials*, **2014**, 26, 6635-41	24	79
115	Nucleoside Triphosphates as Promoters to Enhance Nanoceria Enzyme-like Activity and for Single-Nucleotide Polymorphism Typing. *Advanced Functional Materials*, **2014**, 24, 1624-1630	15.6	88
114	Immunostimulatory oligonucleotides-loaded cationic graphene oxide with photothermally enhanced immunogenicity for photothermal/immune cancer therapy. *Biomaterials*, **2014**, 35, 9963-9971	15.6	155
113	Graphene quantum dots-band-aids used for wound disinfection. *ACS Nano*, **2014**, 8, 6202-10	16.7	485
112	Engineered, self-assembled near-infrared photothermal agents for combined tumor immunotherapy and chemo-photothermal therapy. *Biomaterials*, **2014**, 35, 6646-56	15.6	116
111	Light controlled reversible inversion of nanophosphor-stabilized Pickering emulsions for biphasic enantioselective biocatalysis. *Journal of the American Chemical Society*, **2014**, 136, 7498-504	16.4	190
110	"Plug and play" logic gates based on fluorescence switching regulated by self-assembly of nucleotide and lanthanide ions. *ACS Applied Materials & Interfaces*, **2014**, 6, 9557-62	9.5	33
109	Near-Infrared Light-Encoded Orthogonally Triggered and Logical Intracellular Release Using Gold Nanocage@Smart Polymer Shell. *Advanced Functional Materials*, **2014**, 24, 826-834	15.6	35

108	Incorporating ATP into biomimetic catalysts for realizing exceptional enzymatic performance over a broad temperature range. *NPG Asia Materials*, **2014**, 6, e114-e114	10.3	31
107	A Multi-synergistic Platform for Sequential Irradiation-Activated High-Performance Apoptotic Cancer Therapy. *Advanced Functional Materials*, **2014**, 24, 522-529	15.6	72
106	Methyl substitution regulates the enantioselectivity of supramolecular complex binding to human telomeric G-quadruplex DNA. *Chemistry - A European Journal*, **2014**, 20, 16467-72	4.8	9
105	Artificial evolution of graphene oxide chemzyme with enantioselectivity and near-infrared photothermal effect for cascade biocatalysis reactions. *Small*, **2014**, 10, 1841-7	11	33
104	NIR-responsive upconversion nanoparticles stimulate neurite outgrowth in PC12 cells. *Small*, **2014**, 10, 3655-61	11	23
103	G-Quadruplex binding enantiomers show chiral selective interactions with human telomere. *Nucleic Acids Research*, **2014**, 42, 3792-802	20.1	41
102	Target-responsive DNA-capped nanocontainer used for fabricating universal detector and performing logic operations. *Nucleic Acids Research*, **2014**, 42,	20.1	15
101	Reduced graphene oxide upconversion nanoparticle hybrid for electrochemiluminescent sensing of a prognostic indicator in early-stage cancer. *Small*, **2014**, 10, 330-6	11	53
100	Coupling exonuclease III with DNA metallization for amplified detection of biothiols at picomolar concentration. *Biosensors and Bioelectronics*, **2014**, 58, 214-8	11.8	10
99	Transition-metal-substituted polyoxometalate derivatives as functional anti-amyloid agents for Alzheimer's disease. *Nature Communications*, **2014**, 5, 3422	17.4	160
98	Hydrophobic anticancer drug delivery by a 980 nm laser-driven photothermal vehicle for efficient synergistic therapy of cancer cells in vivo. *Advanced Materials*, **2013**, 25, 4452-8	24	276
97	Nucleic acid-mesoporous silica nanoparticle conjugates for keypad lock security operation. *Chemical Communications*, **2013**, 49, 2305-7	5.8	34
96	Self-assembled, functionalized graphene and DNA as a universal platform for colorimetric assays. *Biomaterials*, **2013**, 34, 4810-7	15.6	99
95	Enzyme-directed pH-responsive exfoliation and dispersion of graphene and its decoration by gold nanoparticles for use as a hybrid catalyst. *Nano Research*, **2013**, 6, 693-702	10	15
94	Highly photoluminescent amino-functionalized graphene quantum dots used for sensing copper ions. *Chemistry - A European Journal*, **2013**, 19, 13362-8	4.8	187
93	A dual fluorometric and colorimetric sensor for dopamine based on BSA-stabilized Au nanoclusters. *Biosensors and Bioelectronics*, **2013**, 42, 41-6	11.8	218
92	3D graphene oxide-polymer hydrogel: near-infrared light-triggered active scaffold for reversible cell capture and on-demand release. *Advanced Materials*, **2013**, 25, 6737-43	24	179
91	Cerium oxide caged metal chelator: anti-aggregation and anti-oxidation integrated H2O2-responsive controlled drug release for potential Alzheimer's disease treatment. *Chemical Science*, **2013**, 4, 2536	9.4	107

90	Gold Nanocage-Based Dual Responsive Caged Metal Chelator Release System: Noninvasive Remote Control with Near Infrared for Potential Treatment of Alzheimer's Disease. *Advanced Functional Materials*, **2013**, 23, 5412-5419	15.6	63
89	A Pt-nanoparticle electrocatalytic assay used for PCR-free sensitive telomerase detection. *Chemical Communications*, **2013**, 49, 9986-8	5.8	29
88	Biomineralization inspired surface engineering of nanocarriers for pH-responsive, targeted drug delivery. *Biomaterials*, **2013**, 34, 1364-71	15.6	104
87	Bioresponsive hyaluronic acid-capped mesoporous silica nanoparticles for targeted drug delivery. *Chemistry - A European Journal*, **2013**, 19, 1778-83	4.8	132
86	Improvement of photoluminescence of graphene quantum dots with a biocompatible photochemical reduction pathway and its bioimaging application. *ACS Applied Materials & Interfaces*, **2013**, 5, 1174-9	9.5	202
85	Ionic liquid as an efficient modulator on artificial enzyme system: toward the realization of high-temperature catalytic reactions. *Journal of the American Chemical Society*, **2013**, 135, 4207-10	16.4	93
84	Combination delivery of antigens and CpG by lanthanides-based core-shell nanoparticles for enhanced immune response and dual-mode imaging. *Advanced Healthcare Materials*, **2013**, 2, 1309-13	10.1	15
83	Nanoceria-triggered synergetic drug release based on CeO(2) -capped mesoporous silica host-guest interactions and switchable enzymatic activity and cellular effects of CeO(2). *Advanced Healthcare Materials*, **2013**, 2, 1591-9	10.1	145
82	Self-assembled peptide-polyoxometalate hybrid nanospheres: two in one enhances targeted inhibition of amyloid peptide aggregation associated with Alzheimer's disease. *Small*, **2013**, 9, 3455-61	11	76
81	Mesoporous silica-encapsulated gold nanoparticles as artificial enzymes for self-activated cascade catalysis. *Biomaterials*, **2013**, 34, 2600-10	15.6	177
80	Near-infrared- and pH-responsive system for reversible cell adhesion using graphene/gold nanorods functionalized with i-motif DNA. *Angewandte Chemie - International Edition*, **2013**, 52, 6726-30	16.4	101
79	One-step DNA-programmed growth of CpG conjugated silver nanoclusters: a potential platform for simultaneous enhanced immune response and cell imaging. *Chemical Communications*, **2013**, 49, 6918-20	5.8	35
78	Cancer Treatment: Incorporating Graphene Oxide and Gold Nanoclusters: A Synergistic Catalyst with Surprisingly High Peroxidase-Like Activity Over a Broad pH Range and its Application for Cancer Cell Detection (Adv. Mater. 18/2013). *Advanced Materials*, **2013**, 25, 2510-2510	24	7
77	Incorporating graphene oxide and gold nanoclusters: a synergistic catalyst with surprisingly high peroxidase-like activity over a broad pH range and its application for cancer cell detection. *Advanced Materials*, **2013**, 25, 2594-9	24	372
76	Versatile Fluorescent Conjugated Polyelectrolyte-Capped Mesoporous Silica Nanoparticles for Controlled Drug Delivery and Imaging. *ChemPlusChem*, **2013**, 78, 656-662	2.8	5
75	A general approach using spiroborate reversible cross-linked Au nanoparticles for visual high-throughput screening of chiral vicinal diols. *Chemical Science*, **2013**, 4, 1156	9.4	23
74	Metallization of plasmid DNA for efficient gene delivery. *Chemical Communications*, **2013**, 49, 9791-3	5.8	20
73	Recent advances in graphene quantum dots for sensing. *Materials Today*, **2013**, 16, 433-442	21.8	552

72	Lanthanide-based hollow mesoporous nanoparticles: a novel multifunctional platform for simultaneous gene delivery and cell imaging. *Chemical Communications*, **2013**, 49, 7129-31	5.8	25
71	In situ monitoring Alzheimer's disease amyloid aggregation and screening of A inhibitors using a perylene probe. *Small*, **2013**, 9, 52-5	11	20
70	Drug Delivery: Gold Nanocage-Based Dual Responsive Caged Metal Chelator Release System: Noninvasive Remote Control with Near Infrared for Potential Treatment of Alzheimer's Disease (Adv. Funct. Mater. 43/2013). *Advanced Functional Materials*, **2013**, 23, 5338-5338	15.6	2
69	Near-Infrared- and pH-Responsive System for Reversible Cell Adhesion using Graphene/Gold Nanorods Functionalized with i-Motif DNA. *Angewandte Chemie*, **2013**, 125, 6858-6862	3.6	18
68	Detection of a prognostic indicator in early-stage cancer using functionalized graphene-based peptide sensors. *Advanced Materials*, **2012**, 24, 125-31	24	126
67	Using graphene oxide high near-infrared absorbance for photothermal treatment of Alzheimer's disease. *Advanced Materials*, **2012**, 24, 1722-8	24	423
66	Using thermally regenerable cerium oxide nanoparticles in biocomputing to perform label-free, resettable, and colorimetric logic operations. *Angewandte Chemie - International Edition*, **2012**, 51, 12579-83	16.4	77
65	Inhibition of metal-induced amyloid aggregation using light-responsive magnetic nanoparticle prochelator conjugates. *Chemical Science*, **2012**, 3, 868-873	9.4	46
64	Silver metallization engineered conformational switch of G-quadruplex for fluorescence turn-on detection of biothiols. *Chemical Communications*, **2012**, 48, 11428-30	5.8	34
63	A reversible DNA-silver nanoclusters-based molecular fluorescence switch and its use for logic gate operation. *Molecular BioSystems*, **2012**, 8, 921-6		14
62	Metallosupramolecular complex targeting an discordant stretch of amyloid peptide. *Chemical Science*, **2012**, 3, 3145	9.4	59
61	Insights into the biomedical effects of carboxylated single-wall carbon nanotubes on telomerase and telomeres. *Nature Communications*, **2012**, 3, 1074	17.4	116
60	Liberation of copper from amyloid plaques: making a risk factor useful for Alzheimer's disease treatment. *Journal of Medicinal Chemistry*, **2012**, 55, 9146-55	8.3	121
59	Aptamer-capped multifunctional mesoporous strontium hydroxyapatite nanovehicle for cancer-cell-responsive drug delivery and imaging. *Biomacromolecules*, **2012**, 13, 4257-63	6.9	67
58	Natural DNA-modified graphene/Pd nanoparticles as highly active catalyst for formic acid electro-oxidation and for the Suzuki reaction. *ACS Applied Materials & Interfaces*, **2012**, 4, 5001-9	9.5	110
57	DNA-templated silver nanoclusters-graphene oxide nanohybrid materials: a platform for label-free and sensitive fluorescence turn-on detection of multiple nucleic acid targets. *Analyst, The*, **2012**, 137, 2588-92	5	74
56	Toward site-specific, homogeneous and highly stable fluorescent silver nanoclusters fabrication on triplex DNA scaffolds. *Nucleic Acids Research*, **2012**, 40, e122	20.1	73
55	Hybrid mesoporous gadolinium oxide nanorods: a platform for multimodal imaging and enhanced insoluble anticancer drug delivery with low systemic toxicity. *Journal of Materials Chemistry*, **2012**, 22, 14982		50

54	Visualizing human telomerase activity with primer-modified Au nanoparticles. *Small*, **2012**, 8, 259-64	11	134
53	Gold-Nanoparticle Sensors: Visualizing Human Telomerase Activity with Primer-Modified Au Nanoparticles (Small 2/2012). *Small*, **2012**, 8, 166-166	11	
52	Extraordinary physical properties of functionalized graphene. *Small*, **2012**, 8, 2138-51	11	153
51	Mesoporous silica nanoparticle-based H2O2 responsive controlled-release system used for Alzheimer's disease treatment. *Advanced Healthcare Materials*, **2012**, 1, 332-6	10.1	86
50	Controlled Drug Release: Mesoporous Silica Nanoparticle-based H2O2 Responsive Controlled-Release System Used for Alzheimer's Disease Treatment (Adv. Healthcare Mater. 3/2012). *Advanced Healthcare Materials*, **2012**, 1, 242-242	10.1	
49	Near-infrared light-triggered, targeted drug delivery to cancer cells by aptamer gated nanovehicles. *Advanced Materials*, **2012**, 24, 2890-5	24	364
48	Label-free ultrasensitive detection of human telomerase activity using porphyrin-functionalized graphene and electrochemiluminescence technique. *Advanced Materials*, **2012**, 24, 2447-52	24	134
47	Drug Delivery: Near-Infrared Light-Triggered, Targeted Drug Delivery to Cancer Cells by Aptamer Gated Nanovehicles (Adv. Mater. 21/2012). *Advanced Materials*, **2012**, 24, 2798-2798	24	0
46	Miniaturization of metal-biomolecule frameworks based on stereoselective self-assembly and potential application in water treatment and as antibacterial agents. *Chemistry - A European Journal* , **2012**, 18, 4322-8	4.8	79
45	Versatile logic devices based on programmable DNA-regulated silver-nanocluster signal transducers. *Chemistry - A European Journal*, **2012**, 18, 6663-9	4.8	64
44	Easy access to selective binding and recyclable separation of histidine-tagged proteins using Ni2+-decorated superparamagnetic nanoparticles. *Nano Research*, **2012**, 5, 450-459	10	18
43	Hierarchical magnetic core□shell nanoarchitectures: non-linker reagent synthetic route and applications in a biomolecule separation system. *Journal of Materials Chemistry*, **2012**, 22, 2935-2942		31
42	Selective and quantitative cancer cell detection using target-directed functionalized graphene and its synergetic peroxidase-like activity. *Chemical Communications*, **2011**, 47, 4436-8	5.8	155
41	A label-free fluorescent turn-on enzymatic amplification assay for DNA detection using ligand-responsive G-quadruplex formation. *Chemical Communications*, **2011**, 47, 5461-3	5.8	154
40	Chiral detection using reusable fluorescent amylose-functionalized graphene. *Chemical Science*, **2011**, 2, 2050	9.4	59
39	Microwave assisted one-step green synthesis of cell-permeable multicolor photoluminescent carbon dots without surface passivation reagents. *Journal of Materials Chemistry*, **2011**, 21, 2445		518
38	Highly sensitive and selective detection of thiol-containing biomolecules using DNA-templated silver deposition. *Biosensors and Bioelectronics*, **2011**, 28, 339-43	11.8	26
37	Multicolor luminescent carbon nanoparticles: Synthesis, supramolecular assembly with porphyrin, intrinsic peroxidase-like catalytic activity and applications. *Nano Research*, **2011**, 4, 908-920	10	184

36	DNA-templated silver nanoparticles as a platform for highly sensitive and selective fluorescence turn-on detection of dopamine. *Small*, **2011**, 7, 1557-61	11	62
35	Combination of Graphene Oxide and Thiol-Activated DNA Metallization for Sensitive Fluorescence Turn-On Detection of Cysteine and Their Use for Logic Gate Operations. *Advanced Functional Materials*, **2011**, 21, 4565-4572	15.6	123
34	Colorimetric biosensing using smart materials. *Advanced Materials*, **2011**, 23, 4215-36	24	503
33	Polyoxometalates as Inhibitors of the Aggregation of Amyloid β Peptides Associated with Alzheimer's Disease. *Angewandte Chemie*, **2011**, 123, 4270-4274	3.6	49
32	Innentitelbild: Polyoxometalates as Inhibitors of the Aggregation of Amyloid β Peptides Associated with Alzheimer's Disease (Angew. Chem. 18/2011). *Angewandte Chemie*, **2011**, 123, 4110-4110	3.6	
31	Polyvalent nucleic acid/mesoporous silica nanoparticle conjugates: dual stimuli-responsive vehicles for intracellular drug delivery. *Angewandte Chemie - International Edition*, **2011**, 50, 882-6	16.4	286
30	Polyoxometalates as inhibitors of the aggregation of amyloid β peptides associated with Alzheimer's disease. *Angewandte Chemie - International Edition*, **2011**, 50, 4184-8	16.4	170
29	Inside Cover: Polyoxometalates as Inhibitors of the Aggregation of Amyloid β Peptides Associated with Alzheimer's Disease (Angew. Chem. Int. Ed. 18/2011). *Angewandte Chemie - International Edition*, **2011**, 50, 4024-4024	16.4	
28	A label-free, quadruplex-based functional molecular beacon (LFG4-MB) for fluorescence turn-on detection of DNA and nuclease. *Chemistry - A European Journal*, **2011**, 17, 1635-41	4.8	91
27	Site-specific DNA-programmed growth of fluorescent and functional silver nanoclusters. *Chemistry - A European Journal*, **2011**, 17, 3774-80	4.8	81
26	Chiral metallo-supramolecular complexes selectively induce human telomeric G-quadruplex formation under salt-deficient conditions. *Chemistry - A European Journal*, **2011**, 17, 8209-15	4.8	53
25	pH-responsive DNA assembly regulated through A-motif. *Soft Matter*, **2011**, 7, 10574	3.6	6
24	Metal-mediated fabrication of new functional G-quartet-based supramolecular nanostructure and potential application as controlled drug release system. *Chemical Science*, **2011**, 2, 1356	9.4	30
23	pH-controlled reversible drug binding and release using a cytosine-rich hairpin DNA. *Chemical Communications*, **2011**, 47, 8043-5	5.8	33
22	DNA-templated ensemble for label-free and real-time fluorescence turn-on detection of enzymatic/oxidative cleavage of single-stranded DNA. *Chemical Communications*, **2011**, 47, 8133-5	5.8	38
21	Modulating DNA-templated silver nanoclusters for fluorescence turn-on detection of thiol compounds. *Chemical Communications*, **2011**, 47, 3487-9	5.8	185
20	DNA loop sequence as the determinant for chiral supramolecular compound G-quadruplex selectivity. *Journal of Medicinal Chemistry*, **2010**, 53, 492-8	8.3	58
19	Visual and quantitative detection of copper ions using magnetic silica nanoparticles clicked on multiwalled carbon nanotubes. *Chemical Communications*, **2010**, 46, 6572-4	5.8	112

18	Alzheimer's disease amyloid beta converting left-handed Z-DNA back to right-handed B-form. *Chemical Communications*, **2010**, 46, 7187-9	5.8	40
17	Luminescent Rare-Earth Complex Covalently Modified Single-Walled Carbon Nanotubes: Design, Synthesis, and DNA Sequence-Dependent Red Luminescence Enhancement. *Chemistry of Materials*, **2010**, 22, 5718-5724	9.6	31
16	Rapid and efficient screening of Alzheimer's disease β-amyloid inhibitors using label-free gold nanoparticles. *Molecular BioSystems*, **2010**, 6, 2389-91		25
15	Ultrasensitive and Selective Detection of a Prognostic Indicator in Early-Stage Cancer Using Graphene Oxide and Carbon Nanotubes. *Advanced Functional Materials*, **2010**, 20, 3967-3971	15.6	122
14	Ultrasensitive and Selective Detection of a Prognostic Indicator in Early-Stage Cancer Using Graphene Oxide and Carbon Nanotubes. *Advanced Functional Materials*, **2010**, 20, 3966-3966	15.6	4
13	Graphene oxide: intrinsic peroxidase catalytic activity and its application to glucose detection. *Advanced Materials*, **2010**, 22, 2206-10	24	1592
12	A quadruplex-based, label-free, and real-time fluorescence assay for RNase H activity and inhibition. *Chemistry - A European Journal*, **2010**, 16, 2605-10	4.8	73
11	Label-free colorimetric detection of single nucleotide polymorphism by using single-walled carbon nanotube intrinsic peroxidase-like activity. *Chemistry - A European Journal*, **2010**, 16, 3617-21	4.8	442
10	Chiral metallo-supramolecular complexes selectively recognize human telomeric G-quadruplex DNA. *Nucleic Acids Research*, **2008**, 36, 5695-703	20.1	166
9	Different hydration changes accompanying copper and zinc binding to amyloid beta-peptide: water contribution to metal binding. *ChemBioChem*, **2008**, 9, 879-82	3.8	42
8	Time-dependent DNA condensation induced by amyloid beta-peptide. *Biophysical Journal*, **2007**, 92, 185-91	4.9	55
7	Carbon nanotubes selective destabilization of duplex and triplex DNA and inducing B-A transition in solution. *Nucleic Acids Research*, **2006**, 34, 3670-6	20.1	117
6	Carboxyl-modified single-walled carbon nanotubes selectively induce human telomeric i-motif formation. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 19658-63	11.5	233
5	Enthalpy/entropy compensation: influence of DNA flanking sequence on the binding of 7-amino actinomycin D to its primary binding site in short DNA duplexes. *Biochemistry*, **2003**, 42, 11960-7	3.2	47
4	Tiny telomere DNA. *Nucleic Acids Research*, **2002**, 30, 2307-15	20.1	66
3	Hydration changes for DNA intercalation reactions. *Journal of the American Chemical Society*, **2001**, 123, 1-7	16.4	176
2	Substitution at the F-ring N-imide of the indolocarbazole antitumor drug NB-506 increases the cytotoxicity, DNA binding, and topoisomerase I inhibition activities. *Journal of Medicinal Chemistry*, **1999**, 42, 2927-35	8.3	35
1	Specific generation of nitric oxide in mitochondria of cancer cell for selective oncotherapy. *Nano Research*,1	10	2