

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

389 papers	21,342 citations	76 h-index	128 g-index
407 ext. papers	25,399 ext. citations	8.5 avg, IF	7.11 L-index

#	Paper	IF	Citations
389	PEGylated WS(2) nanosheets as a multifunctional theranostic agent for in vivo dual-modal CT/photoacoustic imaging guided photothermal therapy. <i>Advanced Materials</i> , 2014 , 26, 1886-93	24	899
388	Multifunctional Fe ₃ O ₄ @polydopamine core-shell nanocomposites for intracellular mRNA detection and imaging-guided photothermal therapy. <i>ACS Nano</i> , 2014 , 8, 3876-83	16.7	502
387	Surface-engineered magnetic nanoparticle platforms for cancer imaging and therapy. <i>Accounts of Chemical Research</i> , 2011 , 44, 883-92	24.3	474
386	Impact of the Gut Microbiota on Intestinal Immunity Mediated by Tryptophan Metabolism. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018 , 8, 13	5.9	458
385	Applications and potential toxicity of magnetic iron oxide nanoparticles. <i>Small</i> , 2013 , 9, 1533-45	11	371
384	Theranostic nanoplatforms for simultaneous cancer imaging and therapy: current approaches and future perspectives. <i>Nanoscale</i> , 2012 , 4, 330-42	7.7	353
383	Core-shell Pd@Au nanoplates as theranostic agents for in-vivo photoacoustic imaging, CT imaging, and photothermal therapy. <i>Advanced Materials</i> , 2014 , 26, 8210-6	24	330
382	In vivo covalent cross-linking of photon-converted rare-earth nanostructures for tumour localization and theranostics. <i>Nature Communications</i> , 2016 , 7, 10432	17.4	314
381	Metal-Organic Framework-Based Nanomedicine Platforms for Drug Delivery and Molecular Imaging. <i>Small</i> , 2015 , 11, 4806-22	11	306
380	Metal-Organic Framework-Based Stimuli-Responsive Systems for Drug Delivery. <i>Advanced Science</i> , 2019 , 6, 1801526	13.6	302
379	Size-Dependent AgS Nanodots for Second Near-Infrared Fluorescence/Photoacoustics Imaging and Simultaneous Photothermal Therapy. <i>ACS Nano</i> , 2017 , 11, 1848-1857	16.7	283
378	Effect of injection routes on the biodistribution, clearance, and tumor uptake of carbon dots. <i>ACS Nano</i> , 2013 , 7, 5684-93	16.7	268
377	Soil organic carbon stocks in China and changes from 1980s to 2000s. <i>Global Change Biology</i> , 2007 , 13, 1989-2007	11.4	262
376	Biomineralization-Inspired Synthesis of Copper Sulfide-Ferritin Nanocages as Cancer Theranostics. <i>ACS Nano</i> , 2016 , 10, 3453-60	16.7	259
375	Precise nanomedicine for intelligent therapy of cancer. <i>Science China Chemistry</i> , 2018 , 61, 1503-1552	7.9	256
374	Facile synthesis of pentacle gold-copper alloy nanocrystals and their plasmonic and catalytic properties. <i>Nature Communications</i> , 2014 , 5, 4327	17.4	249
373	Co ₂ Se ₃ nanoplates as a new theranostic platform for photoacoustic/magnetic resonance dual-modal-imaging-guided chemo-photothermal combination therapy. <i>Advanced Materials</i> , 2015 , 27, 3285-91	24	246

372	Smart Albumin-Biomineralized Nanocomposites for Multimodal Imaging and Photothermal Tumor Ablation. <i>Advanced Materials</i> , 2015 , 27, 3874-82	24	233
371	A synergistically enhanced T(1) -T(2) dual-modal contrast agent. <i>Advanced Materials</i> , 2012 , 24, 6223-8	24	232
370	High-sensitivity nanosensors for biomarker detection. <i>Chemical Society Reviews</i> , 2012 , 41, 2641-55	58.5	232
369	Ultra-Small Iron Oxide Doped Polypyrrole Nanoparticles for In Vivo Multimodal Imaging Guided Photothermal Therapy. <i>Advanced Functional Materials</i> , 2014 , 24, 1194-1201	15.6	226
368	Ferritin nanocages to encapsulate and deliver photosensitizers for efficient photodynamic therapy against cancer. <i>ACS Nano</i> , 2013 , 7, 6988-96	16.7	220
367	Engineering Phototheranostic Nanoscale Metal-Organic Frameworks for Multimodal Imaging-Guided Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 2040-2051	9.5	210
366	Dual imaging-guided photothermal/photodynamic therapy using micelles. <i>Biomaterials</i> , 2014 , 35, 4656-66	15.6	199
365	FeSe-Decorated BiSe Nanosheets Fabricated via Cation Exchange for Chelator-Free Cu-labeling and Multimodal Image-Guided Photothermal-Radiation Therapy. <i>Advanced Functional Materials</i> , 2016 , 26, 2185-2197	15.6	193
364	Tumor vasculature targeted photodynamic therapy for enhanced delivery of nanoparticles. <i>ACS Nano</i> , 2014 , 8, 6004-13	16.7	178
363	PEGylated Prussian blue nanocubes as a theranostic agent for simultaneous cancer imaging and photothermal therapy. <i>Biomaterials</i> , 2014 , 35, 9844-9852	15.6	176
362	Tumor Microenvironment-Triggered Supramolecular System as an In Situ Nanotheranostic Generator for Cancer Phototherapy. <i>Advanced Materials</i> , 2017 , 29, 1605928	24	170
361	HSA coated iron oxide nanoparticles as drug delivery vehicles for cancer therapy. <i>Molecular Pharmaceutics</i> , 2011 , 8, 1669-76	5.6	164
360	Melatonin reprogramming of gut microbiota improves lipid dysmetabolism in high-fat diet-fed mice. <i>Journal of Pineal Research</i> , 2018 , 65, e12524	10.4	161
359	The role of methionine on metabolism, oxidative stress, and diseases. <i>Amino Acids</i> , 2017 , 49, 2091-2098	3.5	158
358	Carbon dioxide (CO) levels this century will alter the protein, micronutrients, and vitamin content of rice grains with potential health consequences for the poorest rice-dependent countries. <i>Science Advances</i> , 2018 , 4, eaaq1012	14.3	156
357	Biocompatible D-A Semiconducting Polymer Nanoparticle with Light-Harvesting Unit for Highly Effective Photoacoustic Imaging Guided Photothermal Therapy. <i>Advanced Functional Materials</i> , 2017 , 27, 1605094	15.6	152
356	High Performance Photoluminescent Carbon Dots for In Vitro and In Vivo Bioimaging: Effect of Nitrogen Doping Ratios. <i>Langmuir</i> , 2015 , 31, 8063-73	4	146
355	Dietary arginine supplementation of mice alters the microbial population and activates intestinal innate immunity. <i>Journal of Nutrition</i> , 2014 , 144, 988-95	4.1	142

354	In vivo volumetric photoacoustic molecular angiography and therapeutic monitoring with targeted plasmonic nanostars. <i>Small</i> , 2014 , 10, 1585-93, 1441	11	139
353	Polysaccharide-Based Controlled Release Systems for Therapeutics Delivery and Tissue Engineering: From Bench to Bedside. <i>Advanced Science</i> , 2018 , 5, 1700513	13.6	137
352	Tumor Microenvironment-Responsive Ultrasmall Nanodrug Generators with Enhanced Tumor Delivery and Penetration. <i>Journal of the American Chemical Society</i> , 2018 , 140, 14980-14989	16.4	137
351	Ultrasound-Switchable Nanozyme Augments Sonodynamic Therapy against Multidrug-Resistant Bacterial Infection. <i>ACS Nano</i> , 2020 , 14, 2063-2076	16.7	124
350	Low-Dose X-ray Activation of W(VI)-Doped Persistent Luminescence Nanoparticles for Deep-Tissue Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2018 , 28, 1707496	15.6	120
349	Genetically Engineered Liposome-like Nanovesicles as Active Targeted Transport Platform. <i>Advanced Materials</i> , 2018 , 30, 1705350	24	119
348	Impact of Semiconducting Perylene Diimide Nanoparticle Size on Lymph Node Mapping and Cancer Imaging. <i>ACS Nano</i> , 2017 , 11, 4247-4255	16.7	117
347	Rational Design and Synthesis of Fe ₂ O ₃ @Au Magnetic Gold Nanoflowers for Efficient Cancer Theranostics. <i>Advanced Materials</i> , 2015 , 27, 5049-56	24	117
346	FUNCTIONAL NANOPARTICLES FOR MOLECULAR IMAGING GUIDED GENE DELIVERY. <i>Nano Today</i> , 2010 , 5, 524-539	17.9	117
345	Acetylcholinesterase-catalyzed hydrolysis allows ultrasensitive detection of pathogens with the naked eye. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 14065-9	16.4	116
344	How does biochar influence soil N cycle? A meta-analysis. <i>Plant and Soil</i> , 2018 , 426, 211-225	4.2	115
343	CD44v6 Monoclonal Antibody-Conjugated Gold Nanostars for Targeted Photoacoustic Imaging and Plasmonic Photothermal Therapy of Gastric Cancer Stem-like Cells. <i>Theranostics</i> , 2015 , 5, 970-84	12.1	112
342	Low molecular weight alkyl-polycation wrapped magnetite nanoparticle clusters as MRI probes for stem cell labeling and in vivo imaging. <i>Biomaterials</i> , 2011 , 32, 528-37	15.6	111
341	Melatonin signaling in T cells: Functions and applications. <i>Journal of Pineal Research</i> , 2017 , 62, e12394	10.4	109
340	Serum amino acids profile and the beneficial effects of L-arginine or L-glutamine supplementation in dextran sulfate sodium colitis. <i>PLoS ONE</i> , 2014 , 9, e88335	3.7	104
339	Gadolinium-Encapsulated Graphene Carbon Nanotheranostics for Imaging-Guided Photodynamic Therapy. <i>Advanced Materials</i> , 2018 , 30, e1802748	24	101
338	Dye-enhanced graphene oxide for photothermal therapy and photoacoustic imaging. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 5762-5767	7.3	101
337	Effect of dietary arginine supplementation on reproductive performance of mice with porcine circovirus type 2 infection. <i>Amino Acids</i> , 2012 , 42, 2089-94	3.5	101

336	Using ecosystem service trade-offs to inform water conservation policies and management practices. <i>Frontiers in Ecology and the Environment</i> , 2016 , 14, 527-532	5.5	101
335	Remote Regulation of Membrane Channel Activity by Site-Specific Localization of Lanthanide-Doped Upconversion Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 3031-3035	16.4	97
334	Virus-mimetic nanovesicles as a versatile antigen-delivery system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E6129-38	11.5	95
333	Bacteria-Responsive Nanoliposomes as Smart Sonotheranostics for Multidrug Resistant Bacterial Infections. <i>ACS Nano</i> , 2019 , 13, 2427-2438	16.7	95
332	Highly efficient hierarchical micelles integrating photothermal therapy and singlet oxygen-synergized chemotherapy for cancer eradication. <i>Theranostics</i> , 2014 , 4, 399-411	12.1	94
331	Hollow iron oxide nanoparticles as multidrug resistant drug delivery and imaging vehicles. <i>Nano Research</i> , 2013 , 6, 1-9	10	93
330	N-Alkyl-PEI-functionalized iron oxide nanoclusters for efficient siRNA delivery. <i>Small</i> , 2011 , 7, 2742-9	11	93
329	Manipulating the power of an additional phase: a flower-like Au-Fe ₃ O ₄ optical nanosensor for imaging protease expressions in vivo. <i>ACS Nano</i> , 2011 , 5, 3043-51	16.7	92
328	Sono-Immunotherapeutic Nanocapturer to Combat Multidrug-Resistant Bacterial Infections. <i>Advanced Materials</i> , 2019 , 31, e1902530	24	90
327	Near-infrared-absorbing gold nanopopcorns with iron oxide cluster core for magnetically amplified photothermal and photodynamic cancer therapy. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11637-47	9.5	90
326	Gadolinium-labeled peptide dendrimers with controlled structures as potential magnetic resonance imaging contrast agents. <i>Biomaterials</i> , 2011 , 32, 7951-60	15.6	90
325	Artificial local magnetic field inhomogeneity enhances T relaxivity. <i>Nature Communications</i> , 2017 , 8, 15468	9.4	87
324	Melatonin alleviates weanling stress in mice: Involvement of intestinal microbiota. <i>Journal of Pineal Research</i> , 2018 , 64, e12448	10.4	85
323	Imaging-guided delivery of RNAi for anticancer treatment. <i>Advanced Drug Delivery Reviews</i> , 2016 , 104, 44-60	18.5	85
322	Seasonal changes in the effects of free-air CO ₂ enrichment (FACE) on growth, morphology and physiology of rice root at three levels of nitrogen fertilization. <i>Global Change Biology</i> , 2008 , 14, 1844-1853	11.4	84
321	Sticky nanoparticles: a platform for siRNA delivery by a bis(zinc(II) dipicolylamine)-functionalized, self-assembled nanoconjugate. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 445-9	16.4	83
320	Application of iron oxide nanoparticles in glioma imaging and therapy: from bench to bedside. <i>Nanoscale</i> , 2016 , 8, 7808-26	7.7	82
319	Zinc(II)-Dipicolylamine Coordination Nanotheranostics: Toward Synergistic Nanomedicine by Combined Photo/Gene Therapy. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 269-272	16.4	82

318	Dietary L-glutamine supplementation modulates microbial community and activates innate immunity in the mouse intestine. <i>Amino Acids</i> , 2014 , 46, 2403-13	3.5	80
317	Stabilizing Two Classical Antiaromatic Frameworks: Demonstration of Photoacoustic Imaging and the Photothermal Effect in Metalla-aromatics. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6181-5	16.4	79
316	Gut Microbiota and Type 1 Diabetes. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	79
315	Biochar application as a tool to decrease soil nitrogen losses (NH volatilization, N ₂ O emissions, and N leaching) from croplands: Options and mitigation strength in a global perspective. <i>Global Change Biology</i> , 2019 , 25, 2077-2093	11.4	77
314	Fe(III)-Porphyrin Sonoatheranostics: A Green Triple-Regulated ROS Generation Nanoplatfrom for Enhanced Cancer Imaging and Therapy. <i>Advanced Functional Materials</i> , 2019 , 29, 1904056	15.6	77
313	In vivo MR and Fluorescence Dual-modality Imaging of Atherosclerosis Characteristics in Mice Using Profilin-1 Targeted Magnetic Nanoparticles. <i>Theranostics</i> , 2016 , 6, 272-86	12.1	76
312	Photoacoustic Imaging-Trackable Magnetic Microswimmers for Pathogenic Bacterial Infection Treatment. <i>ACS Nano</i> , 2020 , 14, 2880-2893	16.7	75
311	Activatable Fluorescence Probes for "Turn-On" and Ratiometric Biosensing and Bioimaging: From NIR-I to NIR-II. <i>Bioconjugate Chemistry</i> , 2020 , 31, 276-292	6.3	75
310	Molecular imaging of apoptosis: from micro to macro. <i>Theranostics</i> , 2015 , 5, 559-82	12.1	74
309	Carbon-dot-based two-photon visible nanocarriers for safe and highly efficient delivery of siRNA and DNA. <i>Advanced Healthcare Materials</i> , 2014 , 3, 1203-1209	10.1	74
308	Inorganic Nanocarriers Overcoming Multidrug Resistance for Cancer Theranostics. <i>Advanced Science</i> , 2016 , 3, 1600134	13.6	74
307	Genetically Engineered Cell Membrane Nanovesicles for Oncolytic Adenovirus Delivery: A Versatile Platform for Cancer Virotherapy. <i>Nano Letters</i> , 2019 , 19, 2993-3001	11.5	69
306	Monodisperse and Uniform Mesoporous Silicate Nanosensitizers Achieve Low-Dose X-Ray-Induced Deep-Penetrating Photodynamic Therapy. <i>Advanced Materials</i> , 2019 , 31, e1808024	24	68
305	Autophagy protects intestinal epithelial cells against deoxynivalenol toxicity by alleviating oxidative stress via IKK signaling pathway. <i>Free Radical Biology and Medicine</i> , 2015 , 89, 944-51	7.8	68
304	Lipid micelles packaged with semiconducting polymer dots as simultaneous MRI/photoacoustic imaging and photodynamic/photothermal dual-modal therapeutic agents for liver cancer. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 589-599	7.3	68
303	Degradable Hollow Mesoporous Silicon/Carbon Nanoparticles for Photoacoustic Imaging-Guided Highly Effective Chemo-Thermal Tumor Therapy and. <i>Theranostics</i> , 2017 , 7, 3007-3020	12.1	67
302	Nanobiotechnology: Cell Membrane-Based Delivery Systems. <i>Nano Today</i> , 2017 , 13, 7-9	17.9	67
301	Serine prevented high-fat diet-induced oxidative stress by activating AMPK and epigenetically modulating the expression of glutathione synthesis-related genes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018 , 1864, 488-498	6.9	67

300	Chlorogenic acid decreases intestinal permeability and increases expression of intestinal tight junction proteins in weaned rats challenged with LPS. <i>PLoS ONE</i> , 2014 , 9, e97815	3.7	66
299	Dietary L-glutamine supplementation improves pregnancy outcome in mice infected with type-2 porcine circovirus. <i>Amino Acids</i> , 2013 , 45, 479-88	3.5	64
298	Multifunctional gadolinium-based dendritic macromolecules as liver targeting imaging probes. <i>Biomaterials</i> , 2011 , 32, 2575-85	15.6	62
297	Modulatory Mechanisms of the NLRP3 Inflammasomes in Diabetes. <i>Biomolecules</i> , 2019 , 9,	5.9	62
296	Amino-acid transporters in T-cell activation and differentiation. <i>Cell Death and Disease</i> , 2017 , 8, e2655	9.8	61
295	Dynamically tuning near-infrared-induced photothermal performances of TiO nanocrystals by Nb doping for imaging-guided photothermal therapy of tumors. <i>Nanoscale</i> , 2017 , 9, 9148-9159	7.7	61
294	Imaging Nano-Bio Interactions in the Kidney: Toward a Better Understanding of Nanoparticle Clearance. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3008-3010	16.4	60
293	Mitochondrial electron transport chain identified as a novel molecular target of SPIO nanoparticles mediated cancer-specific cytotoxicity. <i>Biomaterials</i> , 2016 , 83, 102-14	15.6	59
292	Rigid nanoparticle-based delivery of anti-cancer siRNA: challenges and opportunities. <i>Biotechnology Advances</i> , 2014 , 32, 831-43	17.8	59
291	Multifunctional theranostic nanoplatform for cancer combined therapy based on gold nanorods. <i>Advanced Healthcare Materials</i> , 2015 , 4, 2247-59	10.1	59
290	Functional ferritin nanoparticles for biomedical applications. <i>Frontiers of Chemical Science and Engineering</i> , 2017 , 11, 633-646	4.5	57
289	Dietary supplementation with L-glutamate and L-aspartate alleviates oxidative stress in weaned piglets challenged with hydrogen peroxide. <i>Amino Acids</i> , 2016 , 48, 53-64	3.5	57
288	Lysine Restriction Affects Feed Intake and Amino Acid Metabolism via Gut Microbiome in Piglets. <i>Cellular Physiology and Biochemistry</i> , 2017 , 44, 1749-1761	3.9	57
287	mTORC1 signaling and IL-17 expression: Defining pathways and possible therapeutic targets. <i>European Journal of Immunology</i> , 2016 , 46, 291-9	6.1	57
286	Clinical Applications of Contrast-Enhanced Perfusion MRI Techniques in Gliomas: Recent Advances and Current Challenges. <i>Contrast Media and Molecular Imaging</i> , 2017 , 2017, 7064120	3.2	56
285	Melanin-Like Nanomaterials for Advanced Biomedical Applications: A Versatile Platform with Extraordinary Promise. <i>Advanced Science</i> , 2020 , 7, 1903129	13.6	54
284	Antimicrobial activity of anthocyanins and catechins against foodborne pathogens Escherichia coli and Salmonella. <i>Food Control</i> , 2019 , 106, 106712	6.2	53
283	Biological Effects and Applications of Chitosan and Chito-Oligosaccharides. <i>Frontiers in Physiology</i> , 2019 , 10, 516	4.6	53

282	Smart Cu(II)-aptamer complexes based gold nanoplatfom for tumor micro-environment triggered programmable intracellular prodrug release, photodynamic treatment and aggregation induced photothermal therapy of hepatocellular carcinoma. <i>Theranostics</i> , 2017 , 7, 164-179	12.1	53
281	Polyphenol-Inspired Facile Construction of Smart Assemblies for ATP- and pH-Responsive Tumor MR/Optical Imaging and Photothermal Therapy. <i>Small</i> , 2017 , 13, 1603997	11	52
280	Self-Quenched Metal-Organic Particles as Dual-Mode Therapeutic Agents for Photoacoustic Imaging-Guided Second Near-Infrared Window Photochemotherapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 25203-25212	9.5	52
279	CCCCC pentadentate chelates with planar M ₆ aromaticity and unique properties. <i>Science Advances</i> , 2016 , 2, e1601031	14.3	51
278	Self-assembled magnetic theranostic nanoparticles for highly sensitive MRI of minicircle DNA delivery. <i>Nanoscale</i> , 2013 , 5, 744-52	7.7	51
277	Safety profile of two-dimensional Pd nanosheets for photothermal therapy and photoacoustic imaging. <i>Nano Research</i> , 2017 , 10, 1234-1248	10	50
276	Gambogic acid augments black phosphorus quantum dots (BPQDs)-based synergistic chemo-photothermal therapy through downregulating heat shock protein expression. <i>Chemical Engineering Journal</i> , 2020 , 390, 124312	14.7	50
275	Chemotherapeutic Drug Based Metal-Organic Particles for Microvesicle-Mediated Deep Penetration and Programmable pH/NIR/Hypoxia Activated Cancer Photochemotherapy. <i>Advanced Science</i> , 2018 , 5, 1700648	13.6	50
274	Effects of chitosan on intestinal inflammation in weaned pigs challenged by enterotoxigenic Escherichia coli. <i>PLoS ONE</i> , 2014 , 9, e104192	3.7	50
273	Chloride intracellular channel 1 regulates colon cancer cell migration and invasion through ROS/ERK pathway. <i>World Journal of Gastroenterology</i> , 2014 , 20, 2071-8	5.6	50
272	Metal-Organic Framework Nanoparticle-Based Biomineralization: A New Strategy toward Cancer Treatment. <i>Theranostics</i> , 2019 , 9, 3134-3149	12.1	49
271	Glutamine promotes intestinal SIgA secretion through intestinal microbiota and IL-13. <i>Molecular Nutrition and Food Research</i> , 2016 , 60, 1637-48	5.9	49
270	Cartilage-targeting and dual MMP-13/pH responsive theranostic nanoprobe for osteoarthritis imaging and precision therapy. <i>Biomaterials</i> , 2019 , 225, 119520	15.6	48
269	A single-step multi-level supramolecular system for cancer sonotheranostics. <i>Nanoscale Horizons</i> , 2019 , 4, 190-195	10.8	48
268	Protection against lethal enterovirus 71 challenge in mice by a recombinant vaccine candidate containing a broadly cross-neutralizing epitope within the VP2 EF loop. <i>Theranostics</i> , 2014 , 4, 498-513	12.1	48
267	Evans Blue Attachment Enhances Somatostatin Receptor Subtype-2 Imaging and Radiotherapy. <i>Theranostics</i> , 2018 , 8, 735-745	12.1	48
266	Therapeutic effects of glutamic acid in piglets challenged with deoxynivalenol. <i>PLoS ONE</i> , 2014 , 9, e100591	3.7	47
265	Sonoactivated Chemodynamic Therapy: A Robust ROS Generation Nanotheranostic Eradicates Multidrug-Resistant Bacterial Infection. <i>Advanced Functional Materials</i> , 2020 , 30, 2003587	15.6	47

264	Plant Polyphenol-Assisted Green Synthesis of Hollow CoPt Alloy Nanoparticles for Dual-Modality Imaging Guided Photothermal Therapy. <i>Small</i> , 2016 , 12, 1506-13	11	46
263	Intestinal Microbiota-Derived GABA Mediates Interleukin-17 Expression during Enterotoxigenic Infection. <i>Frontiers in Immunology</i> , 2016 , 7, 685	8.4	45
262	Longitudinal bioluminescence imaging of the dynamics of Doxorubicin induced apoptosis. <i>Theranostics</i> , 2013 , 3, 190-200	12.1	45
261	Effects of Long-Term Protein Restriction on Meat Quality, Muscle Amino Acids, and Amino Acid Transporters in Pigs. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 9297-9304	5.7	44
260	Reactions of Isocyanides with Metal Carbyne Complexes: Isolation and Characterization of Metallacyclopropenimine Intermediates. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1822-1825 ^{16.4}	16.4	43
259	Biochemical and molecular characteristics of leaf photosynthesis and relative seed yield of two contrasting rice cultivars in response to elevated [CO ₂]. <i>Journal of Experimental Botany</i> , 2014 , 65, 6049-56 ⁷	7	43
258	In vivo optical imaging of membrane-type matrix metalloproteinase (MT-MMP) activity. <i>Molecular Pharmaceutics</i> , 2011 , 8, 2331-8	5.6	43
257	Surface-engineered multimodal magnetic nanoparticles to manage CNS diseases. <i>Drug Discovery Today</i> , 2019 , 24, 873-882	8.8	42
256	Gadolinium embedded iron oxide nanoclusters as T1-T2 dual-modal MRI-visible vectors for safe and efficient siRNA delivery. <i>Nanoscale</i> , 2013 , 5, 8098-104	7.7	42
255	Dietary L-glutamine supplementation increases <i>Pasteurella multocida</i> burden and the expression of its major virulence factors in mice. <i>Amino Acids</i> , 2013 , 45, 947-55	3.5	42
254	Dietary glutamate supplementation ameliorates mycotoxin-induced abnormalities in the intestinal structure and expression of amino acid transporters in young pigs. <i>PLoS ONE</i> , 2014 , 9, e112357	3.7	42
253	Elevated CO ₂ accelerates flag leaf senescence in wheat due to ear photosynthesis which causes greater ear nitrogen sink capacity and ear carbon sink limitation. <i>Functional Plant Biology</i> , 2009 , 36, 291-299 ^{2.7}	2.7	42
252	Responses of rice and winter wheat to free-air CO ₂ enrichment (China FACE) at rice/wheat rotation system. <i>Plant and Soil</i> , 2007 , 294, 137-146	4.2	42
251	Opportunities and Challenges of Fluorescent Carbon Dots in Translational Optical Imaging. <i>Current Pharmaceutical Design</i> , 2015 , 21, 5401-16	3.3	42
250	Glutamine-Induced Secretion of Intestinal Secretory Immunoglobulin A: A Mechanistic Perspective. <i>Frontiers in Immunology</i> , 2016 , 7, 503	8.4	42
249	A nanoparticle formula for delivering siRNA or miRNAs to tumor cells in cell culture and in vivo. <i>Nature Protocols</i> , 2014 , 9, 1900-15	18.8	40
248	Longitudinal PET imaging of doxorubicin-induced cell death with ¹⁸ F-Annexin V. <i>Molecular Imaging and Biology</i> , 2012 , 14, 762-70	3.8	40
247	Methionine restriction on oxidative stress and immune response in dss-induced colitis mice. <i>Oncotarget</i> , 2017 , 8, 44511-44520	3.3	40

246	Effect of High Dietary Tryptophan on Intestinal Morphology and Tight Junction Protein of Weaned Pig. <i>BioMed Research International</i> , 2016 , 2016, 2912418	3	40
245	Functional biomimetic nanoparticles for drug delivery and theranostic applications in cancer treatment. <i>Science and Technology of Advanced Materials</i> , 2018 , 19, 771-790	7.1	40
244	Facile preparation of uniform FeSe ₂ nanoparticles for PA/MR dual-modal imaging and photothermal cancer therapy. <i>Nanoscale</i> , 2015 , 7, 20757-68	7.7	39
243	Dietary L-proline supplementation confers immunostimulatory effects on inactivated <i>Pasteurella multocida</i> vaccine immunized mice. <i>Amino Acids</i> , 2013 , 45, 555-61	3.5	39
242	Toxicity of superparamagnetic iron oxide nanoparticles: Research strategies and implications for nanomedicine. <i>Chinese Physics B</i> , 2013 , 22, 127503	1.2	39
241	Gadolinium oxysulfide-coated gold nanorods with improved stability and dual-modal magnetic resonance/photoacoustic imaging contrast enhancement for cancer theranostics. <i>Nanoscale</i> , 2017 , 9, 56-61	7.7	39
240	Functional L-lysine dendritic macromolecules as liver-imaging probes. <i>Macromolecular Bioscience</i> , 2009 , 9, 1227-36	5.5	39
239	L-Glutamine and L-arginine protect against enterotoxigenic <i>Escherichia coli</i> infection via intestinal innate immunity in mice. <i>Amino Acids</i> , 2017 , 49, 1945-1954	3.5	38
238	TRAIL-expressing cell membrane nanovesicles as an anti-inflammatory platform for rheumatoid arthritis therapy. <i>Journal of Controlled Release</i> , 2020 , 320, 304-313	11.7	38
237	Long-Acting Release Formulation of Exendin-4 Based on Biomimetic Mineralization for Type 2 Diabetes Therapy. <i>ACS Nano</i> , 2017 , 11, 5062-5069	16.7	37
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