

Guanzhou Zhu

List of Publications by Year in descending order

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158
papers

44,457
citations

3721

89
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5663

162
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169
all docs

169
docs citations

169
times ranked

39833
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Oriented Regular Arrays of Carbon Nanotubes and Their Field Emission Properties. <i>Science</i> , 1999, 283, 512-514.	6.0	2,944
2	Noncovalent Sidewall Functionalization of Single-Walled Carbon Nanotubes for Protein Immobilization. <i>Journal of the American Chemical Society</i> , 2001, 123, 3838-3839.	6.6	2,472
3	Near-infrared fluorophores for biomedical imaging. <i>Nature Biomedical Engineering</i> , 2017, 1, .	11.6	1,982
4	An ultrafast rechargeable aluminium-ion battery. <i>Nature</i> , 2015, 520, 324-328.	13.7	1,970
5	Carbon Nanotubes: Synthesis, Integration, and Properties. <i>Accounts of Chemical Research</i> , 2002, 35, 1035-1044.	7.6	1,776
6	Nanoscale nickel oxide/nickel heterostructures for active hydrogen evolution electrocatalysis. <i>Nature Communications</i> , 2014, 5, 4695.	5.8	1,413
7	A small-molecule dye for NIR-II imaging. <i>Nature Materials</i> , 2016, 15, 235-242.	13.3	1,314
8	A mini review of NiFe-based materials as highly active oxygen evolution reaction electrocatalysts. <i>Nano Research</i> , 2015, 8, 23-39.	5.8	1,201
9	Carbon Nanomaterials for Biological Imaging and Nanomedicinal Therapy. <i>Chemical Reviews</i> , 2015, 115, 10816-10906.	23.0	1,151
10	Hysteresis Caused by Water Molecules in Carbon Nanotube Field-Effect Transistors. <i>Nano Letters</i> , 2003, 3, 193-198.	4.5	890
11	Functionalization of Carbon Nanotubes for Biocompatibility and Biomolecular Recognition. <i>Nano Letters</i> , 2002, 2, 285-288.	4.5	878
12	Through-skull fluorescence imaging of the brain in a new near-infrared window. <i>Nature Photonics</i> , 2014, 8, 723-730.	15.6	829
13	Large Scale CVD Synthesis of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 1999, 103, 6484-6492.	1.2	825
14	A mini review on nickel-based electrocatalysts for alkaline hydrogen evolution reaction. <i>Nano Research</i> , 2016, 9, 28-46.	5.8	773
15	TiO ₂ nanocrystals grown on graphene as advanced photocatalytic hybrid materials. <i>Nano Research</i> , 2010, 3, 701-705.	5.8	693
16	Growth of Single-Walled Carbon Nanotubes from Discrete Catalytic Nanoparticles of Various Sizes. <i>Journal of Physical Chemistry B</i> , 2001, 105, 11424-11431.	1.2	648
17	Near-Infrared Molecular Dyes for Cancer Imaging and Surgery. <i>Advanced Materials</i> , 2019, 31, e1900321.	11.1	631
18	Spatially resolving edge states of chiral graphene nanoribbons. <i>Nature Physics</i> , 2011, 7, 616-620.	6.5	628

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19	Modulated Chemical Doping of Individual Carbon Nanotubes. , 2000, 290, 1552-1555.		619
20	Polymer Functionalization for Air-Stable n-Type Carbon Nanotube Field-Effect Transistors. Journal of the American Chemical Society, 2001, 123, 11512-11513.	6.6	570
21	Electric-field-directed growth of aligned single-walled carbon nanotubes. Applied Physics Letters, 2001, 79, 3155-3157.	1.5	568
22	Solar-driven, highly sustained splitting of seawater into hydrogen and oxygen fuels. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6624-6629.	3.3	524
23	Carbon Nanotube Field-Effect Transistors with Integrated Ohmic Contacts and High- ϵ_r Gate Dielectrics. Nano Letters, 2004, 4, 447-450.	4.5	498
24	Ultrafast fluorescence imaging in vivo with conjugated polymer fluorophores in the second near-infrared window. Nature Communications, 2014, 5, 4206.	5.8	470
25	Highly active and durable methanol oxidation electrocatalyst based on the synergy of platinum-nickel hydroxide-graphene. Nature Communications, 2015, 6, 10035.	5.8	466
26	A high quantum yield molecule-protein complex fluorophore for near-infrared II imaging. Nature Communications, 2017, 8, 15269.	5.8	458
27	Advanced rechargeable aluminium ion battery with a high-quality natural graphite cathode. Nature Communications, 2017, 8, 14283.	5.8	453
28	Direct Evidence for Coupled Surface and Concentration Quenching Dynamics in Lanthanide-Doped Nanocrystals. Journal of the American Chemical Society, 2017, 139, 3275-3282.	6.6	420
29	Boosting the down-shifting luminescence of rare-earth nanocrystals for biological imaging beyond 1500nm. Nature Communications, 2017, 8, 737.	5.8	416
30	In vivo molecular imaging for immunotherapy using ultra-bright near-infrared-IIb rare-earth nanoparticles. Nature Biotechnology, 2019, 37, 1322-1331.	9.4	398
31	Rechargeable Li-O ₂ batteries with a covalently coupled MnCo ₂ O ₄ -graphene hybrid as an oxygen cathode catalyst. Energy and Environmental Science, 2012, 5, 7931.	15.6	393
32	Advanced asymmetrical supercapacitors based on graphene hybrid materials. Nano Research, 2011, 4, 729-736.	5.8	390
33	3D Freeze-Casting of Cellular Graphene Films for Ultrahigh-Power-Density Supercapacitors. Advanced Materials, 2016, 28, 6719-6726.	11.1	390
34	Donor Engineering for NIR-II Molecular Fluorophores with Enhanced Fluorescent Performance. Journal of the American Chemical Society, 2018, 140, 1715-1724.	6.6	379
35	Molecular engineering of dispersed nickel phthalocyanines on carbon nanotubes for selective CO ₂ reduction. Nature Energy, 2020, 5, 684-692.	19.8	365
36	Formation of metal nanowires on suspended single-walled carbon nanotubes. Applied Physics Letters, 2000, 77, 3015-3017.	1.5	363

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37	Molecular photodesorption from single-walled carbon nanotubes. Applied Physics Letters, 2001, 79, 2258-2260.	1.5	357
38	Rational Design of Molecular Fluorophores for Biological Imaging in the NIR Window. Advanced Materials, 2017, 29, 1605497.	11.1	356
39	A bright organic NIR-II nanofluorophore for three-dimensional imaging into biological tissues. Nature Communications, 2018, 9, 1171.	5.8	353
40	Full and Modulated Chemical Gating of Individual Carbon Nanotubes by Organic Amine Compounds. Journal of Physical Chemistry B, 2001, 105, 2890-2893.	1.2	339
41	Traumatic Brain Injury Imaging in the Second Near-Infrared Window with a Molecular Fluorophore. Advanced Materials, 2016, 28, 6872-6879.	11.1	311
42	Fluorescence Imaging In Vivo at Wavelengths beyond 1500 nm. Angewandte Chemie - International Edition, 2015, 54, 14758-14762.	7.2	310
43	Bright quantum dots emitting at $\approx 1,600$ nm in the NIR-II window for deep tissue fluorescence imaging. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6590-6595.	3.3	310
44	High Coulombic efficiency aluminum-ion battery using an AlCl ₃ -urea ionic liquid analog electrolyte. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 834-839.	3.3	306
45	3D Graphitic Foams Derived from Chloroaluminate Anion Intercalation for Ultrafast Aluminum-Ion Battery. Advanced Materials, 2016, 28, 9218-9222.	11.1	302
46	A general route <i>via</i> formamide condensation to prepare atomically dispersed metal-nitrogen-carbon electrocatalysts for energy technologies. Energy and Environmental Science, 2019, 12, 1317-1325.	15.6	290
47	Electric-field-aligned growth of single-walled carbon nanotubes on surfaces. Applied Physics Letters, 2002, 81, 3464-3466.	1.5	280
48	Integrated nanotube circuits: Controlled growth and ohmic contacting of single-walled carbon nanotubes. Applied Physics Letters, 1999, 75, 627-629.	1.5	272
49	Ultrafast high-capacity NiZn battery with NiAlCo-layered double hydroxide. Energy and Environmental Science, 2014, 7, 2025.	15.6	265
50	Biological imaging without autofluorescence in the second near-infrared region. Nano Research, 2015, 8, 3027-3034.	5.8	263
51	Integration of suspended carbon nanotube arrays into electronic devices and electromechanical systems. Applied Physics Letters, 2002, 81, 913-915.	1.5	237
52	Molecular imaging of biological systems with a clickable dye in the broad 800- to 1,700-nm near-infrared window. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 962-967.	3.3	230
53	Electrical measurements of individual semiconducting single-walled carbon nanotubes of various diameters. Applied Physics Letters, 2000, 76, 1597-1599.	1.5	220
54	Controlled Chemical Routes to Nanotube Architectures, Physics, and Devices. Journal of Physical Chemistry B, 1999, 103, 11246-11255.	1.2	216

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55	Patterned growth of single-walled carbon nanotubes on full 4-inch wafers. <i>Applied Physics Letters</i> , 2001, 79, 4571-4573.	1.5	195
56	Synthesis of Ultralong and High Percentage of Semiconducting Single-walled Carbon Nanotubes. <i>Nano Letters</i> , 2002, 2, 703-708.	4.5	188
57	High-Safety and High-Energy-Density Lithium Metal Batteries in a Novel Ionic-Liquid Electrolyte. <i>Advanced Materials</i> , 2020, 32, e2001741.	11.1	176
58	A safe and non-flammable sodium metal battery based on an ionic liquid electrolyte. <i>Nature Communications</i> , 2019, 10, 3302.	5.8	173
59	Blending Cr ₂ O ₃ into a NiO-Ni Electrocatalyst for Sustained Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11989-11993.	7.2	172
60	Aligned graphene nanoribbons and crossbars from unzipped carbon nanotubes. <i>Nano Research</i> , 2010, 3, 387-394.	5.8	167
61	Electroreduction of CO ₂ to Formate on a Copper-Based Electrocatalyst at High Pressures with High Energy Conversion Efficiency. <i>Journal of the American Chemical Society</i> , 2020, 142, 7276-7282.	6.6	165
62	Carbon-coated FeCo nanoparticles as sensitive magnetic-particle-imaging tracers with photothermal and magnetothermal properties. <i>Nature Biomedical Engineering</i> , 2020, 4, 325-334.	11.6	160
63	Light-sheet microscopy in the near-infrared II window. <i>Nature Methods</i> , 2019, 16, 545-552.	9.0	151
64	3D NIR-II Molecular Imaging Distinguishes Targeted Organs with High-Performance NIR-II Bioconjugates. <i>Advanced Materials</i> , 2018, 30, e1705799.	11.1	150
65	Hierarchical 3D Architected Ag Nanowires Shelled with NiMn-Layered Double Hydroxide as an Efficient Bifunctional Oxygen Electrocatalyst. <i>ACS Nano</i> , 2020, 14, 1770-1782.	7.3	145
66	ELECTRICAL TRANSPORT PROPERTIES AND FIELD EFFECT TRANSISTORS OF CARBON NANOTUBES. <i>Nano</i> , 2006, 01, 1-13.	0.5	142
67	A plasmonic chip for biomarker discovery and diagnosis of type 1 diabetes. <i>Nature Medicine</i> , 2014, 20, 948-953.	15.2	142
68	Wafer scale production of carbon nanotube scanning probe tips for atomic force microscopy. <i>Applied Physics Letters</i> , 2002, 80, 2225-2227.	1.5	133
69	Diagnosis of Zika virus infection on a nanotechnology platform. <i>Nature Medicine</i> , 2017, 23, 548-550.	15.2	130
70	Delivery of Catalytic Metal Species onto Surfaces with Dendrimer Carriers for the Synthesis of Carbon Nanotubes with Narrow Diameter Distribution. <i>Journal of Physical Chemistry B</i> , 2002, 106, 12361-12365.	1.2	129
71	Alkaline metal-doped n-type semiconducting nanotubes as quantum dots. <i>Applied Physics Letters</i> , 2000, 77, 3977-3979.	1.5	126
72	Molecular Imaging in the Second Near-Infrared Window. <i>Advanced Functional Materials</i> , 2019, 29, 1900566.	7.8	125

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73	Electrical properties and devices of large-diameter single-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2002, 80, 1064-1066.	1.5	118
74	Molecular Cancer Imaging in the Second Near-Infrared Window Using a Renal-Excreted NIR-Fluorophore-Peptide Probe. <i>Advanced Materials</i> , 2018, 30, e1800106.	11.1	115
75	Stabilizing Lithium into Cross-Stacked Nanotube Sheets with an Ultra-High Specific Capacity for Lithium Oxygen Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2437-2442.	7.2	111
76	An operando X-ray diffraction study of chloroaluminate anion-graphite intercalation in aluminum batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5670-5675.	3.3	109
77	Selective and High Current CO ₂ Electro-Reduction to Multicarbon Products in Near-Neutral KCl Electrolytes. <i>Journal of the American Chemical Society</i> , 2021, 143, 3245-3255.	6.6	108
78	Near-Infrared IIb Fluorescence Imaging of Vascular Regeneration with Dynamic Tissue Perfusion Measurement and High Spatial Resolution. <i>Advanced Functional Materials</i> , 2018, 28, 1803417.	7.8	107
79	A mini-review on rare-earth down-conversion nanoparticles for NIR-II imaging of biological systems. <i>Nano Research</i> , 2020, 13, 1281-1294.	5.8	105
80	Engineering manganese oxide/nanocarbon hybrid materials for oxygen reduction electrocatalysis. <i>Nano Research</i> , 2012, 5, 718-725.	5.8	104
81	WS ₂ nanoflakes from nanotubes for electrocatalysis. <i>Nano Research</i> , 2013, 6, 921-928.	5.8	103
82	Site Activity and Population Engineering of NiRu-Layered Double Hydroxide Nanosheets Decorated with Silver Nanoparticles for Oxygen Evolution and Reduction Reactions. <i>ACS Catalysis</i> , 2019, 9, 117-129.	5.5	103
83	Rechargeable Na/Cl ₂ and Li/Cl ₂ batteries. <i>Nature</i> , 2021, 596, 525-530.	13.7	103
84	Controllable Reversibility of a Single Wall Nanotube under the Manipulation of an AFM Tip: A Nanoscale Electromechanical Switch?. <i>Physical Review Letters</i> , 2000, 84, 4950-4953.	2.9	96
85	Live imaging of follicle stimulating hormone receptors in gonads and bones using near infrared II fluorophore. <i>Chemical Science</i> , 2017, 8, 3703-3711.	3.7	96
86	High-Rate and Long-Cycle Stability with a Dendrite-Free Zinc Anode in an Aqueous Zn-Ion Battery Using Concentrated Electrolytes. <i>ACS Applied Energy Materials</i> , 2020, 3, 4499-4508.	2.5	95
87	Electrochemical transformation reaction of Cu-MnO in aqueous rechargeable zinc-ion batteries for high performance and long cycle life. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17595-17607.	5.2	93
88	Efficient Formation of Iron Nanoparticle Catalysts on Silicon Oxide by Hydroxylamine for Carbon Nanotube Synthesis and Electronics. <i>Nano Letters</i> , 2003, 3, 157-161.	4.5	90
89	Energy Migration Engineering of Bright Rare-Earth Upconversion Nanoparticles for Excitation by Light-Emitting Diodes. <i>Advanced Materials</i> , 2015, 27, 6418-6422.	11.1	89
90	Near-Infrared II Fluorescence for Imaging Hindlimb Vessel Regeneration With Dynamic Tissue Perfusion Measurement. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 517-525.	1.3	88

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91	In vivo non-invasive confocal fluorescence imaging beyond 1,700 nm using superconducting nanowire single-photon detectors. <i>Nature Nanotechnology</i> , 2022, 17, 653-660.	15.6	88
92	A theranostic agent for cancer therapy and imaging in the second near-infrared window. <i>Nano Research</i> , 2019, 12, 273-279.	5.8	86
93	Developing a Bright NIR-II Fluorophore with Fast Renal Excretion and Its Application in Molecular Imaging of Immune Checkpoint PD-L1. <i>Advanced Functional Materials</i> , 2018, 28, 1804956.	7.8	85
94	Single walled carbon nanotubes for transport and delivery of biological cargos. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 3561-3566.	0.7	84
95	High Performance, Multiplexed Lung Cancer Biomarker Detection on a Plasmonic Gold Chip. <i>Advanced Functional Materials</i> , 2016, 26, 7994-8002.	7.8	84
96	Rational Design of High Brightness NIR-II Organic Dyes with S-D-A-D-S Structure. <i>Accounts of Materials Research</i> , 2021, 2, 170-183.	5.9	84
97	Diagnosis and prognosis of myocardial infarction on a plasmonic chip. <i>Nature Communications</i> , 2020, 11, 1654.	5.8	83
98	Carbon nanotubes as AFM tips: measuring DNA molecules at the liquid/solid interface. <i>Surface and Interface Analysis</i> , 1999, 28, 8-11.	0.8	82
99	Chemical self-assembly of graphene sheets. <i>Nano Research</i> , 2009, 2, 336-342.	5.8	80
100	Quantification of antibody avidities and accurate detection of SARS-CoV-2 antibodies in serum and saliva on plasmonic substrates. <i>Nature Biomedical Engineering</i> , 2020, 4, 1188-1196.	11.6	77
101	A novel quantitative microarray antibody capture assay identifies an extremely high hepatitis delta virus prevalence among hepatitis B virus-infected mongolians. <i>Hepatology</i> , 2017, 66, 1739-1749.	3.6	74
102	Ionic Liquid Analogs of AlCl ₃ with Urea Derivatives as Electrolytes for Aluminum Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 1901928.	7.8	74
103	Rechargeable aluminum batteries: effects of cations in ionic liquid electrolytes. <i>RSC Advances</i> , 2019, 9, 11322-11330.	1.7	66
104	Projected performance advantage of multilayer graphene nanoribbons as a transistor channel material. <i>Nano Research</i> , 2010, 3, 8-15.	5.8	63
105	Edge magnetotransport fingerprints in disordered graphene nanoribbons. <i>Physical Review B</i> , 2010, 82, .	1.1	63
106	Multifunctional FeCo-graphitic carbon nanocrystals for combined imaging, drug delivery and tumor-specific photothermal therapy in mice. <i>Nano Research</i> , 2011, 4, 1248-1260.	5.8	63
107	Nickel-coated silicon photocathode for water splitting in alkaline electrolytes. <i>Nano Research</i> , 2015, 8, 1577-1583.	5.8	63
108	Sub-10-nm graphene nanoribbons with atomically smooth edges from squashed carbon nanotubes. <i>Nature Electronics</i> , 2021, 4, 653-663.	13.1	61

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109	Effects of Concentrated Salt and Resting Protocol on Solid Electrolyte Interface Formation for Improved Cycle Stability of Anode-Free Lithium Metal Batteries. ACS Applied Materials & Interfaces, 2019, 11, 31962-31971.	4.0	58
110	Highly active oxygen evolution integrated with efficient CO ₂ to CO electroreduction. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23915-23922.	3.3	58
111	Tuning Dynamically Formed Active Phases and Catalytic Mechanisms of <i>In Situ</i> Electrochemically Activated Layered Double Hydroxide for Oxygen Evolution Reaction. ACS Nano, 2021, 15, 14996-15006.	7.3	56
112	Deep learning for in vivo near-infrared imaging. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	53
113	Magnetic "Squashing" of Circulating Tumor Cells on Plasmonic Substrates for Ultrasensitive NIR Fluorescence Detection. Small Methods, 2019, 3, 1800474.	4.6	52
114	A high-performance potassium metal battery using safe ionic liquid electrolyte. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27847-27853.	3.3	49
115	Highly Reversible Zn Metal Anode Stabilized by Dense and Anion-Derived Passivation Layer Obtained from Concentrated Hybrid Aqueous Electrolyte. Advanced Functional Materials, 2022, 32, 2103959.	7.8	48
116	Diketopyrrolopyrrole (DPP)-Based Donor-Acceptor Polymers for Selective Dispersion of Large-Diameter Semiconducting Carbon Nanotubes. Small, 2015, 11, 2946-2954.	5.2	47
117	Gating individual nanotubes and crosses with scanning probes. Applied Physics Letters, 2000, 76, 2412-2414.	1.5	46
118	Electric-field-directed growth of carbon nanotubes in two dimensions. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2004, 22, 3421.	1.6	46
119	Multiplexed cytokine detection on plasmonic gold substrates with enhanced near-infrared fluorescence. Nano Research, 2013, 6, 113-120.	5.8	42
120	Hybrid anisotropic nanostructures for dual-modal cancer imaging and image-guided chemo-thermo therapies. Biomaterials, 2016, 103, 265-277.	5.7	42
121	Carrier scattering in graphene nanoribbon field-effect transistors. Applied Physics Letters, 2008, 92, .	1.5	40
122	Short channel field-effect transistors from highly enriched semiconducting carbon nanotubes. Nano Research, 2012, 5, 388-394.	5.8	40
123	In vivo NIR-II structured-illumination light-sheet microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	39
124	Plasmonic micro-beads for fluorescence enhanced, multiplexed protein detection with flow cytometry. Chemical Science, 2014, 5, 4070-4075.	3.7	38
125	Cross-Link-Functionalized Nanoparticles for Rapid Excretion in Nanotheranostic Applications. Angewandte Chemie - International Edition, 2020, 59, 20552-20560.	7.2	35
126	Advancements in complementary carbon nanotube field-effect transistors. , 0, , .		34

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127	Visible to Near-Infrared Fluorescence Enhanced Cellular Imaging on Plasmonic Gold Chips. <i>Small</i> , 2016, 12, 457-465.	5.2	33
128	Proteoliposome-based full-length ZnT8 self-antigen for type 1 diabetes diagnosis on a plasmonic platform. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10196-10201.	3.3	31
129	An electrodeposition approach to metal/metal oxide heterostructures for active hydrogen evolution catalysts in near-neutral electrolytes. <i>Nano Research</i> , 2019, 12, 1431-1435.	5.8	31
130	Densely aligned graphene nanoribbons at $\sim 1/435$ nm pitch. <i>Nano Research</i> , 2012, 5, 292-296.	5.8	30
131	Autoantibody profiling on a plasmonic nano-gold chip for the early detection of hypertensive heart disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7089-7094.	3.3	30
132	Multiplexed Anti-Toxoplasma IgG, IgM, and IgA Assay on Plasmonic Gold Chips: towards Making Mass Screening Possible with Dye Test Precision. <i>Journal of Clinical Microbiology</i> , 2016, 54, 1726-1733.	1.8	29
133	Single Chirality (6,4) Single-Walled Carbon Nanotubes for Fluorescence Imaging with Silicon Detectors. <i>Small</i> , 2015, 11, 6325-6330.	5.2	26
134	Resolving the Phase Instability of a Fluorinated Ether, Carbonate-Based Electrolyte for the Safe Operation of an Anode-Free Lithium Metal Battery. <i>ACS Applied Energy Materials</i> , 2020, 3, 10722-10733.	2.5	26
135	High-precision tumor resection down to few-cell level guided by NIR-IIb molecular fluorescence imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2123111119.	3.3	26
136	Validation of IgG, IgM multiplex plasmonic gold platform in French clinical cohorts for the serodiagnosis and follow-up of <i>Toxoplasma gondii</i> infection. <i>Diagnostic Microbiology and Infectious Disease</i> , 2017, 87, 213-218.	0.8	24
137	Carbon Nanotubes—Potent Carriers for Targeted Drug Delivery in Rheumatoid Arthritis. <i>Pharmaceutics</i> , 2021, 13, 453.	2.0	23
138	Plasmonic gold chips for the diagnosis of <i>Toxoplasma gondii</i> , CMV, and rubella infections using saliva with serum detection precision. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2019, 38, 883-890.	1.3	22
139	Ly108 expression distinguishes subsets of invariant NKT cells that help autoantibody production and secrete IL-21 from those that secrete IL-17 in lupus prone NZB/W mice. <i>Journal of Autoimmunity</i> , 2014, 50, 87-98.	3.0	20
140	In Vivo Fluorescence Imaging in the Second Near-Infrared Window Using Carbon Nanotubes. <i>Methods in Molecular Biology</i> , 2016, 1444, 167-181.	0.4	20
141	Scanning electron microscopy of field-emitting individual single-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2004, 85, 112-114.	1.5	18
142	Stabilizing Lithium into Cross-Stacked Nanotube Sheets with an Ultra-High Specific Capacity for Lithium Oxygen Batteries. <i>Angewandte Chemie</i> , 2019, 131, 2459-2464.	1.6	18
143	Probing dissolved CO ₂ (aq) in aqueous solutions for CO ₂ electroreduction and storage. <i>Science Advances</i> , 2022, 8, eabo0399.	4.7	17
144	Electron beam stimulated field-emission from single-walled carbon nanotubes. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2004, 22, 3124.	1.6	15

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145	Carbon Nanotubes: From Growth, Placement and Assembly Control to 60mV/decade and Sub-60 mV/decade Tunnel Transistors. , 2006, , .		14
146	Carbon nanotube electronics. , 2006, , .		13
147	Identification of the physical origin behind disorder, heterogeneity, and reconstruction and their correlation with the photoluminescence lifetime in hybrid perovskite thin films. Journal of Materials Chemistry A, 2017, 5, 21002-21015.	5.2	10
148	Cross-Link-Functionalized Nanoparticles for Rapid Excretion in Nanotheranostic Applications. Angewandte Chemie, 2020, 132, 20733-20741.	1.6	6
149	Diagnostics: High Performance, Multiplexed Lung Cancer Biomarker Detection on a Plasmonic Gold Chip (Adv. Funct. Mater. 44/2016). Advanced Functional Materials, 2016, 26, 7993-7993.	7.8	5
150	The inaugural Nano Research Young Innovators (NR45) Award in nanobiotechnology. Nano Research, 2018, 11, 4931-4935.	5.8	5
151	Circulating Tumor Cells: Magnetic "Squashing" of Circulating Tumor Cells on Plasmonic Substrates for Ultrasensitive NIR Fluorescence Detection (Small Methods 2/2019). Small Methods, 2019, 3, 1970004.	4.6	5
152	Theoretical Investigations on Thermal Light Emission From Metallic Carbon Nanotubes. IEEE Nanotechnology Magazine, 2007, 6, 682-687.	1.1	3
153	Graphene: Graphene Nanoribbons Under Mechanical Strain (Adv. Mater. 2/2015). Advanced Materials, 2015, 27, 392-392.	11.1	3
154	The Role of Metal Catalyst in Near Ambient Hydrogen Adsorption on Multi-walled Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2004, 837, 51.	0.1	2
155	Innenr¼ctitelbild: Ultrathin WS2 Nanoflakes as a High-Performance Electrocatalyst for the Hydrogen Evolution Reaction (Angew. Chem. 30/2014). Angewandte Chemie, 2014, 126, 8091-8091.	1.6	2
156	Multilayer graphene nanoribbon for 3D stacking of the transistor channel. , 2009, , .		1
157	The Nano Research Young Innovators (NR45) Awards in nanoenergy. Nano Research, 2019, 12, 1975-1977.	5.8	1
158	Quantum Capacitance Measurement for SWNT FET with Thin ALD High-k Dielectric. Device Research Conference, IEEE Annual, 2007, , .	0.0	0