Peng Fei Gao

List of Publications by Year
in descending order

55	2,070	236925	243625
papers	citations	25	44
		h-index	g-index

56	56	56	2681
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultralong UV/mechano-excited room temperature phosphorescence from purely organic cluster excitons. Nature Communications, 2019, 10, 5161.	12.8	216
2	Chiral nanoprobes for targeting and long-term imaging of the Golgi apparatus. Chemical Science, 2017, 8, 6829-6835.	7.4	167
3	A new type of pH-responsive coordination polymer sphere as a vehicle for targeted anticancer drug delivery and sustained release. Journal of Materials Chemistry B, 2013, 1, 3202.	5.8	132
4	Redox-Active AIEgen-Derived Plasmonic and Fluorescent Core@Shell Nanoparticles for Multimodality Bioimaging. Journal of the American Chemical Society, 2018, 140, 6904-6911.	13.7	112
5	Carbon Nanodots-Catalyzed Chemiluminescence of Luminol: A Singlet Oxygen-Induced Mechanism. Journal of Physical Chemistry C, 2013, 117, 19219-19225.	3.1	90
6	Ultrasensitive Virion Immunoassay Platform with Dual-Modality Based on a Multifunctional Aggregation-Induced Emission Luminogen. ACS Nano, 2018, 12, 9549-9557.	14.6	87
7	Dark-Field Microscopy: Recent Advances in Accurate Analysis and Emerging Applications. Analytical Chemistry, 2021, 93, 4707-4726.	6.5	79
8	Photoinduced Electron Transfer Process Visualized on Single Silver Nanoparticles. ACS Nano, 2017, 11, 2085-2093.	14.6	75
9	Antibacterials loaded electrospun composite nanofibers: release profile and sustained antibacterial efficacy. Polymer Chemistry, 2014, 5, 1965-1975.	3.9	62
10	AIE Featured Inorganicâ€“Organic Core@Shell Nanoparticles for High-Efficiency siRNA Delivery and Real-Time Monitoring. Nano Letters, 2019, 19, 2272-2279.	9.1	58
11	A portable RGB sensing gadget for sensitive detection of Hg2+ using cysteamine-capped QDs as fluorescence probe. Biosensors and Bioelectronics, 2017, 98, 36-40.	10.1	49
12	Boron and nitrogen co-doped single-layered graphene quantum dots: a high-affinity platform for visualizing the dynamic invasion of HIV DNA into living cells through fluorescence resonance energy transfer. Journal of Materials Chemistry B, 2017, 5, 8719-8724.	5.8	48
13	Surface-engineered quantum dots/electrospun nanofibers as a networked fluorescence aptasensing platform toward biomarkers. Nanoscale, 2017, 9, 17020-17028.	5.6	47
14	Color-Encoded Assays for the Simultaneous Quantification of Dual Cancer Biomarkers. Analytical Chemistry, 2017, 89, 8484-8489.	6.5	47
15	A sensitive surface-enhanced Raman scattering enzyme-catalyzed immunoassay of respiratory syncytial virus. Talanta, 2016, 148, 308-312.	5.5	43
16	Enzyme Activity Triggered Blocking of Plasmon Resonance Energy Transfer for Highly Selective Detection of Acid Phosphatase. Analytical Chemistry, 2020, 92, 2130-2135.	6.5	42
17	Porous hollow CuS nanospheres with prominent peroxidase-like activity prepared in large scale by a one-pot controllable hydrothermal step. RSC Advances, 2015, 5, 17458-17465.	3.6	41
18	Real-time dark-field light scattering imaging to monitor the coupling reaction with gold nanorods as an optical probe. Nanoscale, 2017, 9, 3568-3575.	5.6	41

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19	HSI colour-coded analysis of scattered light of single plasmonic nanoparticles. Nanoscale, 2016, 8, 11467-11471.	5.6	39
20	Plasmonics-attended NSET and PRET for analytical applications. TrAC - Trends in Analytical Chemistry, 2020, 124, 115805.	11.4	37
21	Plasmon-induced light concentration enhanced imaging visibility as observed by a composite-field microscopy imaging system. Chemical Science, 2016, 7, 5477-5483.	7.4	35
22	Carbon Quantum Dotsâ€“Europium(III) Energy Transfer Architecture Embedded in Electrospun Nanofibrous Membranes for Fingerprint Security and Document Counterspy. Analytical Chemistry, 2019, 91, 11185-11191.	6.5	35
23	High-Resolution Vertical Polarization Excited Dark-Field Microscopic Imaging of Anisotropic Gold Nanorods for the Sensitive Detection and Spatial Imaging of Intracellular microRNA-21. Analytical Chemistry, 2020, 92, 13118-13125.	6.5	30
24	Cu²⁺-mediated fluorescence switching of gold nanoclusters for the selective detection of clioquinol. Analyst, The, 2015, 140, 8194-8200.	3.5	27
25	Precision improvement in dark-field microscopy imaging by using gold nanoparticles as an internal reference: a combined theoretical and experimental study. Nanoscale, 2016, 8, 8729-8736.	5.6	26
26	Gold Triangular Nanoplates Based Single-Particle Dark-Field Microscopy Assay of Pyrophosphate. Analytical Chemistry, 2019, 91, 15798-15803.	6.5	26
27	Polydopamine-embedded Cu_{2â^'x}Se nanoparticles as a sensitive biosensing platform through the coupling of nanometal surface energy transfer and photo-induced electron transfer. Analyst, The, 2015, 140, 4121-4129.	3.5	25
28	Localized surface plasmon resonance scattering imaging and spectroscopy for real-time reaction monitoring. Applied Spectroscopy Reviews, 2019, 54, 237-249.	6.7	25
29	Biomolecules-conjugated nanomaterials for targeted cancer therapy. Journal of Materials Chemistry B, 2014, 2, 8452-8465.	5.8	22
30	A dual model logic gate for mercury and iodide ions sensing based on metalâ€“organic framework MIL-101. RSC Advances, 2014, 4, 37349-37352.	3.6	22
31	Transformable Helical Self-Assembly for Cancerous Golgi Apparatus Disruption. Nano Letters, 2021, 21, 8455-8465.	9.1	22
32	Real-time scattered light dark-field microscopic imaging of the dynamic degradation process of sodium dimethyldithiocarbamate. Nanoscale, 2015, 7, 20709-20716.	5.6	19
33	Color resolution improvement of the dark-field microscopy imaging of single light scattering plasmonic nanoprobes for microRNA visual detection. Nanoscale, 2017, 9, 4593-4600.	5.6	19
34	The localized surface plasmon resonance induced edge effect of gold regular hexagonal nanoplates for reaction progress monitoring. Chemical Communications, 2018, 54, 13359-13362.	4.1	17
35	Metalâ€“organic coordination polymers of Tb_{2â^'x}Eu_x(BDC)₃(H₂O)_nwith tunable fluorescence and smart response toward aldehydes (0 â‰¤ x â‰¤ 2, BDC = 1,4-benzenedicarboxylate). RSC Advances, 2014, 4, 2573-2576.	3.6	16
36	Microscopic electron counting during plasmon-driven photocatalytic proton coupled electron transfer on a single silver nanoparticle. Applied Catalysis B: Environmental, 2021, 291, 120090.	20.2	16

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37	Insight into a reversible energy transfer system. Nanoscale, 2016, 8, 16236-16242.	5.6	15
38	Visual Identification of Light-Driven Breakage of the Silver-Dithiocarbamate Bond by Single Plasmonic Nanoprobes. Scientific Reports, 2015, 5, 15427.	3.3	14
39	Nanofabrication of hollowed-out Au@AgPt core-frames via selective carving of silver and deposition of platinum. Chemical Communications, 2020, 56, 2945-2948.	4.1	14
40	In situ investigating the size-dependent scattering signatures and sensing sensitivity of single silver nanocube through a multi-model approach. Journal of Colloid and Interface Science, 2021, 584, 253-262.	9.4	14
41	A simple rapid detection method of DNA based on ligation-mediated real-time fluorescence PCR. Analyst, The, 2013, 138, 5745.	3.5	13
42	A multifunctional AIEgen with high cell-penetrating ability for intracellular fluorescence assays, imaging and drug delivery. Materials Chemistry Frontiers, 2019, 3, 1151-1158.	5.9	13
43	Plasmonic biosensor for the highly sensitive detection of microRNA-21 via the chemical etching of gold nanorods under a dark-field microscope. Biosensors and Bioelectronics, 2022, 201, 113942.	10.1	13
44	Distance-Dependence Study of Plasmon Resonance Energy Transfer with DNA Spacers. Analytical Chemistry, 2020, 92, 14278-14283.	6.5	12
45	Telomerase Activity Assay via 3,3â€²,5,5â€²-Tetramethylbenzidine Dilation Etching of Gold Nanorods. ACS Applied Nano Materials, 2022, 5, 1484-1490.	5.0	11
46	Modulation of inner filter effect between plasmonic Cu2â^'S Se1â^' and rhodamine 6G for detection of biothiols. Sensors and Actuators B: Chemical, 2018, 262, 966-973.	7.8	9
47	Long-distance transfer of plasmonic hot electrons across the Auâ€“Pt porous interface for the hydrogen evolution reaction. Journal of Materials Chemistry C, 2021, 9, 3108-3114.	5.5	8
48	Metal-Mediated Gold Nanospheres Assembled for Dark-Field Microscopy Imaging Scatterometry. Talanta, 2019, 201, 280-285.	5.5	7
49	Plasmonic locator with subâ€diffractionâ€limited resolution for continuously accurate positioning. Aggregate, 2022, 3, .	9.9	7
50	Size-Dependent Plasmonic Resonance Scattering Characteristics of Gold Nanorods for Highly Sensitive Detection of microRNA-27a. ACS Applied Bio Materials, 2021, 4, 3469-3475.	4.6	6
51	A dark-field light scattering platform for real-time monitoring of the erosion of microparticles by Co2+. Analyst, The, 2014, 139, 2783-2787.	3.5	5
52	Orientation-independent reaction activity monitoring with single particle and data analytics. Journal of Colloid and Interface Science, 2021, 590, 458-466.	9.4	5
53	Direct visualization of photo-induced disulfide through oxidative coupling of para-aminothiophenol. Chemical Communications, 2021, 57, 4190-4193.	4.1	4
54	Glutathione-driven Cu(<scp>i</scp>)â€“O₂chemistry: a new light-up fluorescent assay for intracellular glutathione. Analyst, The, 2018, 143, 2486-2490.	3.5	3

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55	ZnO micron rods as single dielectric resonator for optical sensing. Analytica Chimica Acta, 2020, 1109, 107-113.	5.4	2