Qingyan Han

List of Publications by Year
in descending order

40 papers	1,231 citations	516710 16 h-index	377865 34 g-index
41 all docs	41 docs citations	41 times ranked	1526 citing authors

#	Article	IF	Citations
1	Plasmon-Driven Catalysis on Molecules and Nanomaterials. Accounts of Chemical Research, 2019, 52, 2506-2515.	15.6	197
2	Recent Progress on Plasmon-Enhanced Fluorescence. Nanophotonics, 2015, 4, 472-490.	6.0	164
3	Plasmon-enhanced upconversion photoluminescence: Mechanism and application. Reviews in Physics, 2019, 4, 100026.	8.9	105
4	Enhanced red upconversion luminescence by codoping Ce³⁺ in Î²-NaY(Gd_{0.4})F₄:Yb³⁺/Ho³⁺ nanocrystals. Journal of Materials Chemistry C, 2014, 2, 5327-5334.	5.5	95
5	Plasmon-exciton coupling by hybrids between graphene and gold nanorods vertical array for sensor. Applied Materials Today, 2019, 14, 166-174.	4.3	69
6	Surface enhanced fluorescence and Raman scattering by gold nanoparticle dimers and trimers. Journal of Applied Physics, 2013, 113, .	2.5	66
7	Unusual upconversion emission from single NaYF₄:Yb³⁺/Ho³⁺ microrods under NIR excitation. CrystEngComm, 2014, 16, 6697-6706.	2.6	48
8	Efficient fluorescence emission and photon conversion of LaOF:Eu3+ nanocrystals. Applied Physics Letters, 2011, 98, 011907.	3.3	44
9	Multiple surface plasmon resonances enhanced nonlinear optical microscopy. Nanophotonics, 2019, 8, 487-493.	6.0	41
10	Vibrational spectra and chemical imaging of cyclo[18]carbon by tip enhanced Raman spectroscopy. Chemical Communications, 2020, 56, 2336-2339.	4.1	38
11	Fabrication of flower-like silver nanostructure on the Al substrate for surface enhanced fluorescence. Applied Physics Letters, 2012, 100, .	3.3	34
12	Surface enhanced fluorescence on three dimensional silver nanostructure substrate. Journal of Applied Physics, 2012, 111, 093101.	2.5	34
13	Higher Order Fano Resonances and Electric Field Enhancements in Disk-Ring Plasmonic Nanostructures with Double Symmetry Breaking. Plasmonics, 2014, 9, 1439-1445.	3.4	32
14	Flexible and transparent Au nanoparticle/graphene/Au nanoparticle â€˜sandwichâ€™ substrate for surface-enhanced Raman scattering. Materials Today Nano, 2020, 9, 100067.	4.6	28
15	Three-dimensional AuAg alloy NPs/graphene/AuAg alloy NP sandwiched hybrid nanostructure for surface enhanced Raman scattering properties. Journal of Materials Chemistry C, 2020, 8, 12599-12606.	5.5	27
16	Plasmonâ€Driven Rapid In Situ Formation of Luminescence Single Crystal Nanoparticle. Small, 2019, 15, e1901286.	10.0	23
17	Tip-Enhanced Ultrasensitive Stokes and Anti-Stokes Raman Spectroscopy in High Vacuum. Plasmonics, 2013, 8, 523-527.	3.4	15
18	Multiplasmons-Pumped Excited-State Absorption and Energy Transfer Upconversion of Rare-Earth-Doped Luminescence beyond the Diffraction Limit. ACS Photonics, 2021, 8, 1335-1343.	6.6	15

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19	Surface enhanced fluorescence by porous alumina with nanohole arrays. Science China: Physics, Mechanics and Astronomy, 2012, 55, 767-771.	5.1	14
20	Fluorescence enhancement of acridine orange in a water solution by Au nanoparticles. Science China: Physics, Mechanics and Astronomy, 2010, 53, 1799-1804.	5.1	13
21	Synthesis of Ag-SiO2 composite nanospheres and their catalytic activity. Science China Chemistry, 2014, 57, 881-887.	8.2	13
22	Enhanced upconversion fluorescent probe of single NaYF₄:Yb³⁺/Er³⁺/Zn²⁺ nanoparticles for copper ion detection. RSC Advances, 2018, 8, 37618-37622.	3.6	13
23	Fast transformation of a rare-earth doped luminescent sub-microcrystal via plasmonic nanoislands. Journal of Materials Chemistry C, 2020, 8, 4338-4342.	5.5	13
24	Controlled Multichannel Surface Plasmon Polaritons Transmission on Atomic Smooth Silver Triangular Waveguide. Advanced Optical Materials, 2019, 7, 1900930.	7.3	11
25	Plasmon Enhanced Fluorescence and Raman Scattering by [Au-Ag Alloy NP Cluster]@SiO2 Core-Shell Nanostructure. Frontiers in Chemistry, 2019, 7, 647.	3.6	11
26	Unique adjustable UC luminescence pattern and directional radiation of peculiar-shaped NaYF4: Yb3+/Er3+ microcrystal particle. Scientific Reports, 2017, 7, 5371.	3.3	9
27	Luminescence mechanism of Eu3+ ions doped NaYF4 nanocrystals via in situ time-resolved spectroscopy. Ceramics International, 2020, 46, 11132-11136.	4.8	8
28	Investigation on Optical Properties of Agâ€“Au Alloy Nanoparticles. Plasmonics, 2017, 12, 1373-1379.	3.4	7
29	Controlling and probing heat generation in an optical heater system. Nanophotonics, 2022, 11, 979-986.	6.0	6
30	High-performance upconversion luminescent waveguide using a rare-earth doped microtube with beveled ends. Journal of Materials Chemistry C, 2019, 7, 12704-12708.	5.5	5
31	Interlayer Coulomb interaction in twisted bilayer graphene nanofragments characterized by the vibrational mode of G_r⁺ band. Applied Physics Letters, 2022, 120, 083103.	3.3	5
32	Manipulating upconversion luminescence intensity in a single crystal particle with a waveguide structure. Physical Chemistry Chemical Physics, 2022, 24, 13730-13737.	2.8	5
33	Preparation and spectroscopic study of a water-soluble NaYF₄:Yb³⁺/Er³⁺@NaGdF₄ crystal particle and its application in bioimaging. New Journal of Chemistry, 2019, 43, 1770-1774.	2.8	4
34	Plasmonic nanocavity enhanced vibration of graphene by a radially polarized optical field. Nanophotonics, 2020, 9, 2017-2023.	6.0	4
35	Local controllability of hot electron and thermal effects enabled by chiral plasmonic nanostructures. Nanophotonics, 2022, 11, 1195-1202.	6.0	4
36	Multi-plasmon resonances enhanced two-photon coherent anti-Stokes Raman scattering by nanorods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 231, 118117.	3.9	3

#	Article	IF	Citations
37	Binary Surfactantâ€“Mediated Tunable Nanotip Growth on Gold Nanoparticles and Applications in Photothermal Catalysis. Frontiers in Chemistry, 2021, 9, 699548.	3.6	3
38	Plasmonic Crystal Transformation: Plasmonâ€Driven Rapid In Situ Formation of Luminescence Single Crystal Nanoparticle (Small 34/2019). Small, 2019, 15, 1970183.	10.0	2
39	Controlling upconversion luminescence patterns in space with red emission enhancement from a single fluoride microcrystal by tuning the excitation mode. RSC Advances, 2019, 9, 17537-17542.	3.6	2
40	The vector beam assisted â€œhotâ€spotâ€•optimization in tipâ€enhanced Raman spectroscopy. Journal of Raman Spectroscopy, 0, , .	2.5	0