

Qingyan Han

List of Publications by Year in descending order

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40
papers

1,231
citations

516215

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377514

34
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41
all docs

41
docs citations

41
times ranked

1526
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmon-Driven Catalysis on Molecules and Nanomaterials. <i>Accounts of Chemical Research</i> , 2019, 52, 2506-2515.	7.6	197
2	Recent Progress on Plasmon-Enhanced Fluorescence. <i>Nanophotonics</i> , 2015, 4, 472-490.	2.9	164
3	Plasmon-enhanced upconversion photoluminescence: Mechanism and application. <i>Reviews in Physics</i> , 2019, 4, 100026.	4.4	105
4	Enhanced red upconversion luminescence by codoping Ce ³⁺ in $\text{F}^{2-}\text{NaY}(\text{Gd}_{0.4})\text{F}_4\text{:Yb}^{3+}/\text{Ho}^{3+}$ nanocrystals. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5327-5334.	2.7	95
5	Plasmon-exciton coupling by hybrids between graphene and gold nanorods vertical array for sensor. <i>Applied Materials Today</i> , 2019, 14, 166-174.	2.3	69
6	Surface enhanced fluorescence and Raman scattering by gold nanoparticle dimers and trimers. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	66
7	Unusual upconversion emission from single $\text{NaYF}_4\text{:Yb}^{3+}/\text{Ho}^{3+}$ microrods under NIR excitation. <i>CrystEngComm</i> , 2014, 16, 6697-6706.	1.3	48
8	Efficient fluorescence emission and photon conversion of LaOF:Eu^{3+} nanocrystals. <i>Applied Physics Letters</i> , 2011, 98, 011907.	1.5	44
9	Multiple surface plasmon resonances enhanced nonlinear optical microscopy. <i>Nanophotonics</i> , 2019, 8, 487-493.	2.9	41
10	Vibrational spectra and chemical imaging of cyclo[18]carbon by tip enhanced Raman spectroscopy. <i>Chemical Communications</i> , 2020, 56, 2336-2339.	2.2	38
11	Fabrication of flower-like silver nanostructure on the Al substrate for surface enhanced fluorescence. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	34
12	Surface enhanced fluorescence on three dimensional silver nanostructure substrate. <i>Journal of Applied Physics</i> , 2012, 111, 093101.	1.1	34
13	Higher Order Fano Resonances and Electric Field Enhancements in Disk-Ring Plasmonic Nanostructures with Double Symmetry Breaking. <i>Plasmonics</i> , 2014, 9, 1439-1445.	1.8	32
14	Flexible and transparent Au nanoparticle/graphene/Au nanoparticle sandwich substrate for surface-enhanced Raman scattering. <i>Materials Today Nano</i> , 2020, 9, 100067.	2.3	28
15	Three-dimensional AuAg alloy NPs/graphene/AuAg alloy NP sandwiched hybrid nanostructure for surface enhanced Raman scattering properties. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12599-12606.	2.7	27
16	Plasmon-Driven Rapid In Situ Formation of Luminescence Single Crystal Nanoparticle. <i>Small</i> , 2019, 15, e1901286.	5.2	23
17	Tip-Enhanced Ultrasensitive Stokes and Anti-Stokes Raman Spectroscopy in High Vacuum. <i>Plasmonics</i> , 2013, 8, 523-527.	1.8	15
18	Multiplasmons-Pumped Excited-State Absorption and Energy Transfer Upconversion of Rare-Earth-Doped Luminescence beyond the Diffraction Limit. <i>ACS Photonics</i> , 2021, 8, 1335-1343.	3.2	15

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19	Surface enhanced fluorescence by porous alumina with nanohole arrays. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012, 55, 767-771.	2.0	14
20	Fluorescence enhancement of acridine orange in a water solution by Au nanoparticles. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010, 53, 1799-1804.	2.0	13
21	Synthesis of Ag-SiO ₂ composite nanospheres and their catalytic activity. <i>Science China Chemistry</i> , 2014, 57, 881-887.	4.2	13
22	Enhanced upconversion fluorescent probe of single NaYF ₄ :Yb ³⁺ /Er ³⁺ /Zn ²⁺ nanoparticles for copper ion detection. <i>RSC Advances</i> , 2018, 8, 37618-37622.	1.7	13
23	Fast transformation of a rare-earth doped luminescent sub-microcrystal via plasmonic nanoislands. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4338-4342.	2.7	13
24	Controlled Multichannel Surface Plasmon Polaritons Transmission on Atomic Smooth Silver Triangular Waveguide. <i>Advanced Optical Materials</i> , 2019, 7, 1900930.	3.6	11
25	Plasmon Enhanced Fluorescence and Raman Scattering by [Au-Ag Alloy NP Cluster]@SiO ₂ Core-Shell Nanostructure. <i>Frontiers in Chemistry</i> , 2019, 7, 647.	1.8	11
26	Unique adjustable UC luminescence pattern and directional radiation of peculiar-shaped NaYF ₄ :Yb ³⁺ /Er ³⁺ microcrystal particle. <i>Scientific Reports</i> , 2017, 7, 5371.	1.6	9
27	Luminescence mechanism of Eu ³⁺ ions doped NaYF ₄ nanocrystals via in situ time-resolved spectroscopy. <i>Ceramics International</i> , 2020, 46, 11132-11136.	2.3	8
28	Investigation on Optical Properties of Ag@Au Alloy Nanoparticles. <i>Plasmonics</i> , 2017, 12, 1373-1379.	1.8	7
29	Controlling and probing heat generation in an optical heater system. <i>Nanophotonics</i> , 2022, 11, 979-986.	2.9	6
30	High-performance upconversion luminescent waveguide using a rare-earth doped microtube with beveled ends. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12704-12708.	2.7	5
31	Interlayer Coulomb interaction in twisted bilayer graphene nanofragments characterized by the vibrational mode of G _r band. <i>Applied Physics Letters</i> , 2022, 120, 083103.	1.5	5
32	Manipulating upconversion luminescence intensity in a single crystal particle with a waveguide structure. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 13730-13737.	1.3	5
33	Preparation and spectroscopic study of a water-soluble NaYF ₄ :Yb ³⁺ /Er ³⁺ @NaGdF ₄ crystal particle and its application in bioimaging. <i>New Journal of Chemistry</i> , 2019, 43, 1770-1774.	1.4	4
34	Plasmonic nanocavity enhanced vibration of graphene by a radially polarized optical field. <i>Nanophotonics</i> , 2020, 9, 2017-2023.	2.9	4
35	Local controllability of hot electron and thermal effects enabled by chiral plasmonic nanostructures. <i>Nanophotonics</i> , 2022, 11, 1195-1202.	2.9	4
36	Multi-plasmon resonances enhanced two-photon coherent anti-Stokes Raman scattering by nanorods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 231, 118117.	2.0	3

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37	Binary Surfactant-Mediated Tunable Nanotip Growth on Gold Nanoparticles and Applications in Photothermal Catalysis. <i>Frontiers in Chemistry</i> , 2021, 9, 699548.	1.8	3
38	Plasmonic Crystal Transformation: Plasmon-Driven Rapid In Situ Formation of Luminescence Single Crystal Nanoparticle (<i>Small</i> 34/2019). <i>Small</i> , 2019, 15, 1970183.	5.2	2
39	Controlling upconversion luminescence patterns in space with red emission enhancement from a single fluoride microcrystal by tuning the excitation mode. <i>RSC Advances</i> , 2019, 9, 17537-17542.	1.7	2
40	The vector beam assisted ω -spot optimization in tip-enhanced Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 0, , .	1.2	0