

# Honglin Liu

## List of Publications by Year in descending order

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74  
papers

2,692  
citations

168829

31  
h-index

214428

50  
g-index

75  
all docs

75  
docs citations

75  
times ranked

3703  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-Dimensional and Time-Ordered Surface-Enhanced Raman Scattering Hotspot Matrix. <i>Journal of the American Chemical Society</i> , 2014, 136, 5332-5341.	6.6	293
2	A dynamic surface enhanced Raman spectroscopy method for ultra-sensitive detection: from the wet state to the dry state. <i>Chemical Society Reviews</i> , 2015, 44, 2837-2848.	18.7	162
3	Liquid-state quantitative SERS analyzer on self-ordered metal liquid-like plasmonic arrays. <i>Nature Communications</i> , 2018, 9, 3642.	5.8	140
4	Portable Kit for Identification and Detection of Drugs in Human Urine Using Surface-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2015, 87, 9500-9506.	3.2	106
5	Elucidation and Structural Modeling of CD71 as a Molecular Target for Cell-Specific Aptamer Binding. <i>Journal of the American Chemical Society</i> , 2019, 141, 10760-10769.	6.6	106
6	Three-Dimensional Surface-Enhanced Raman Scattering Hotspots in Spherical Colloidal Superstructure for Identification and Detection of Drugs in Human Urine. <i>Analytical Chemistry</i> , 2015, 87, 4821-4828.	3.2	86
7	Surface-Enhanced Raman Spectroscopy on Liquid Interfacial Nanoparticle Arrays for Multiplex Detecting Drugs in Urine. <i>Analytical Chemistry</i> , 2016, 88, 8145-8151.	3.2	85
8	Hypoxia-Activated PEGylated Conditional Aptamer/Antibody for Cancer Imaging with Improved Specificity. <i>Journal of the American Chemical Society</i> , 2019, 141, 18421-18427.	6.6	85
9	Bioinspired Multifunctional Hetero-Hierarchical Micro/Nanostructure Tetragonal Array with Self-Cleaning, Anticorrosion, and Concentrators for the SERS Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 10633-10642.	4.0	77
10	Assembly of polymer-gold nanostructures with high reproducibility into a monolayer film SERS substrate with 5 nm gaps for pesticide trace detection. <i>Analyst</i> , 2013, 138, 5832.	1.7	72
11	Three-dimensional SERS hot spots for chemical sensing: Towards developing a practical analyzer. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 80, 364-372.	5.8	69
12	Sensitive and selective SERS probe for trivalent chromium detection using citrate attached gold nanoparticles. <i>Nanoscale</i> , 2012, 4, 6442.	2.8	67
13	Metastable state nanoparticle-enhanced Raman spectroscopy for highly sensitive detection. <i>Chemical Communications</i> , 2011, 47, 3583.	2.2	64
14	Capillarity-constructed reversible hot spots for molecular trapping inside silver nanorod arrays light up ultrahigh SERS enhancement. <i>Chemical Science</i> , 2013, 4, 3490.	3.7	62
15	Functionalized shell-isolated nanoparticle-enhanced Raman spectroscopy for selective detection of trinitrotoluene. <i>Analyst</i> , 2012, 137, 4644.	1.7	60
16	Organic Solvent as Internal Standards for Quantitative and High-Throughput Liquid Interfacial SERS Analysis in Complex Media. <i>Analytical Chemistry</i> , 2018, 90, 5232-5238.	3.2	54
17	Ultrasensitive optical detection of trinitrotoluene by ethylenediamine-capped gold nanoparticles. <i>Analytica Chimica Acta</i> , 2012, 744, 92-98.	2.6	53
18	Non-ultraviolet photocatalytic kinetics of NaYF <sub>4</sub> :Yb,Tm@TiO <sub>2</sub> /Ag core@comby shell nanostructures. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14642-14650.	5.2	52

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19	Polystyrene/Ag nanoparticles as dynamic surface-enhanced Raman spectroscopy substrates for sensitive detection of organophosphorus pesticides. <i>Talanta</i> , 2014, 127, 269-275.	2.9	51
20	Solvent-induced hot spot switch on silver nanorod enhanced Raman spectroscopy. <i>Analyst, The</i> , 2012, 137, 1547.	1.7	44
21	Designing and fabricating of surface-enhanced Raman scattering substrate with high density hot spots by polyaniline template-assisted self-assembly. <i>Nanoscale</i> , 2012, 4, 6449.	2.8	43
22	Cetylpyridinium Chloride Activated Trinitrotoluene Explosive Lights Up Robust and Ultrahigh Surface-Enhanced Resonance Raman Scattering in a Silver Sol. <i>Chemistry - A European Journal</i> , 2013, 19, 8789-8796.	1.7	39
23	A displacement principle for mercury detection by optical waveguide and surface enhanced Raman spectroscopy. <i>Journal of Colloid and Interface Science</i> , 2012, 386, 451-455.	5.0	38
24	Study on the synthesis of Ag/AgCl nanoparticles and their photocatalytic properties. <i>Materials Research Bulletin</i> , 2012, 47, 3452-3458.	2.7	38
25	Self-Nucleation and Self-Assembly of Highly Fluorescent Au <sub>5</sub> Nanoclusters for Bioimaging. <i>Chemistry of Materials</i> , 2018, 30, 5507-5515.	3.2	38
26	Molecular sensitivity of DNA-Ag-PATP hybrid on optical activity for ultratrace mercury analysis. <i>Chemical Communications</i> , 2011, 47, 9360.	2.2	36
27	Three-dimensional hotspots in evaporating nanoparticle sols for ultrahigh Raman scattering: solid-liquid interface effects. <i>Nanoscale</i> , 2015, 7, 6619-6626.	2.8	36
28	Direct Discrimination of Edible Oil Type, Oxidation, and Adulteration by Liquid Interfacial Surface-Enhanced Raman Spectroscopy. <i>ACS Sensors</i> , 2019, 4, 1798-1805.	4.0	36
29	Simultaneous Microcystin Degradation and <i>Microcystis aeruginosa</i> Inhibition with the Single Enzyme Microcystinase A. <i>Environmental Science &amp; Technology</i> , 2020, 54, 8811-8820.	4.6	36
30	Speedy and surfactant-free in situ synthesis of nickel/Ag nanocomposites for reproducible SERS substrates. <i>Journal of Materials Chemistry</i> , 2012, 22, 19932.	6.7	33
31	Breaking the Affinity Limit with Dual-Phase-Accessible Hotspot for Ultrahigh Raman Scattering of Nonadsorptive Molecules. <i>Analytical Chemistry</i> , 2020, 92, 6941-6948.	3.2	33
32	Quantitative determination of peroxide value of edible oil by algorithm-assisted liquid interfacial surface enhanced Raman spectroscopy. <i>Food Chemistry</i> , 2021, 344, 128709.	4.2	32
33	In Situ Photoreduced Silver Nanoparticles on Cysteine: An Insight into the Origin of Chirality. <i>Chemistry - A European Journal</i> , 2012, 18, 8037-8041.	1.7	29
34	The time-resolved D-SERS vibrational spectra of pesticide thiram. <i>Talanta</i> , 2013, 117, 39-44.	2.9	28
35	SERS and OWGS detection of dynamic trapping molecular TNT based on a functional self-assembly Au monolayer film. <i>Analyst, The</i> , 2013, 138, 1858.	1.7	26
36	Self-Healing Plasmonic Metal Liquid as a Quantitative Surface-Enhanced Raman Scattering Analyzer in Two-Liquid-Phase Systems. <i>Analytical Chemistry</i> , 2019, 91, 2288-2295.	3.2	25

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37	A hanging plasmonic droplet: three-dimensional SERS hotspots for a highly sensitive multiplex detection of amino acids. <i>Analyst, The</i> , 2015, 140, 2973-2978.	1.7	24
38	Sensitive and selective SERS probe for Hg(II) detection using aminated ring-close structure of Rhodamine6G. <i>Talanta</i> , 2013, 106, 381-387.	2.9	22
39	Quality alert from direct discrimination of polycyclic aromatic hydrocarbons in edible oil by liquid-interfacial surface-enhanced Raman spectroscopy. <i>LWT - Food Science and Technology</i> , 2021, 143, 111143.	2.5	21
40	Mirrorlike Plasmonic Capsules for Online Microfluidic Raman Analysis of Drug in Human Saliva and Urine. <i>ACS Applied Bio Materials</i> , 2019, 2, 3828-3835.	2.3	20
41	Highly-reproducible Raman scattering of NaYF <sub>4</sub> :Yb,Er@SiO <sub>2</sub> @Ag for methylamphetamine detection under near-infrared laser excitation. <i>Analyst, The</i> , 2015, 140, 5268-5275.	1.7	18
42	DNA-Capped Silver Nanoflakes as Fluorescent Nanosensor for Highly Sensitive Imaging of Endogenous H <sub>2</sub> S in Cell Division Cycles. <i>Analytical Chemistry</i> , 2019, 91, 15404-15410.	3.2	16
43	Tunable plasmonics of hollow raspberry-like nanogold for the robust Raman scattering detection of antibiotics on a portable Raman spectrometer. <i>Analyst, The</i> , 2020, 145, 5854-5860.	1.7	16
44	Surface-enhanced Raman evidence for Rhodamine 6G and its derivative with different adsorption geometry to colloidal silver nanoparticle. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 999-1003.	1.2	15
45	Engineering a customized nanodrug delivery system at the cellular level for targeted cancer therapy. <i>Science China Chemistry</i> , 2018, 61, 497-504.	4.2	15
46	Cross-linking structure-induced strong blue emissive gold nanoclusters for intracellular sensing. <i>Analyst, The</i> , 2019, 144, 2765-2772.	1.7	15
47	Raman scattering and plasmonic photocatalysis of single particles of NaYF <sub>4</sub> :Yb,Er@Ag under near-infrared laser excitation. <i>Analyst, The</i> , 2014, 139, 5983-5988.	1.7	14
48	Conformational sensitivity of surface selection rules for quantitative Raman identification of small molecules in biofluids. <i>Nanoscale</i> , 2018, 10, 14342-14351.	2.8	13
49	Can "Hot Spots" Be Stable Enough for Surface-Enhanced Raman Scattering?. <i>Journal of Physical Chemistry C</i> , 2021, 125, 13443-13448.	1.5	11
50	N114S mutation causes loss of ATP-induced aggregation of human phosphoribosylpyrophosphate synthetase 1. <i>Biochemical and Biophysical Research Communications</i> , 2009, 379, 1120-1125.	1.0	10
51	Design, synthesis and biological evaluation of novel inhibitors against cyanobacterial pyruvate dehydrogenase multienzyme complex E1. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 2413-2420.	1.4	10
52	Hot spots in photoreduced Au nanoparticles on DNA scaffolds potent for robust and high-sensitive surface-enhanced Raman scattering substrates. <i>Materials Chemistry and Physics</i> , 2013, 138, 573-580.	2.0	9
53	Structure optimization and bioactivity evaluation of ThDP analogs targeting cyanobacterial pyruvate dehydrogenase E1. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 115159.	1.4	9
54	Halide-assisted activation of atomic hydrogen for photoreduction on two-liquid interfacial plasmonic arrays. <i>Chemical Communications</i> , 2019, 55, 1422-1425.	2.2	9

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55	Pinpointing Alkane Chain Length, Saturation, and Double Bond Regio- and Stereoisomers by Liquid Interfacial Plasmonic Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2022, 94, 2891-2900.	3.2	9
56	Antifreezing Hydroxyl Monolayer of Small Molecules on a Nanogold Surface. <i>Nano Letters</i> , 2022, 22, 5307-5315.	4.5	9
57	ATP-induced noncooperative thermal unfolding of hen lysozyme. <i>Biochemical and Biophysical Research Communications</i> , 2010, 397, 598-602.	1.0	8
58	Unravelling the Relationship between Raman Enhancement and Photocatalytic Activity on Single Anisotropic Au Microplates. <i>Chemistry - A European Journal</i> , 2014, 20, 10414-10424.	1.7	8
59	Tracking structural changes of protein residues by two-dimensional correlation surface-enhanced Raman spectroscopy. <i>Food Chemistry</i> , 2022, 382, 132237.	4.2	8
60	Highly luminescent gold nanocluster assemblies for bioimaging in living organisms. <i>Chemical Communications</i> , 2022, 58, 811-814.	2.2	8
61	Surface motif sensitivity of dual emissive gold nanoclusters for robust ratiometric intracellular imaging. <i>Chemical Communications</i> , 2020, 56, 7112-7115.	2.2	7
62	Transformation of thiolated chitosan-templated gold nanoparticles to huge microcubes. <i>Materials Research Bulletin</i> , 2014, 53, 89-95.	2.7	6
63	Highly stable surface-enhanced Raman spectroscopy assay on abnormal thrombin levels in the blood plasma of cancer patients. <i>Analytical Methods</i> , 2021, 13, 4328-4333.	1.3	6
64	Gold nanocluster-based ratiometric fluorescent probe for biosensing of Hg <sup>2+</sup> ions in living organisms. <i>Analyst</i> , 2022, 147, 2773-2778.	1.7	6
65	Plasma- and anneal-assisted hybridization of SWCNT-Au network for rapid and high-sensitive electrical detection of antibody-antigen interactions. <i>Journal of Materials Chemistry</i> , 2012, 22, 6139.	6.7	4
66	Engineering Grey Nanosystem as Activatable Ratio-colorimetric Probe for Detection of Lead Ions in Preserved Egg. <i>Analytical Sciences</i> , 2020, 36, 1407-1413.	0.8	3
67	Multi-analyte High-Throughput Microplate-SERS Reader with Controllable Liquid Interfacial Arrays. <i>Analytical Chemistry</i> , 2022, 94, 7528-7535.	3.2	3
68	Trinitarian quantitative analysis of the continuous organic phase and built-in tags as internal standards for two-liquid interfacial surface-enhanced Raman spectroscopy. <i>Journal of Materials Chemistry C</i> , 2020, 8, 13213-13219.	2.7	2
69	Pinpointing photothermal contributions in photochemical reactions on plasmonic gold nanoparticles. <i>Chemical Communications</i> , 2022, 58, 1720-1723.	2.2	2
70	Programmable Oligonucleotide-Peptide Complexes: Synthesis and Applications. <i>Chemical Research in Chinese Universities</i> , 0, , 1.	1.3	1
71	DNAzyme signal amplification based on Au@Ag core-shell nanorods for highly sensitive SERS sensing miRNA-21. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 4079-4088.	1.9	1
72	Synchrotron radiation circular dichroism: a new tool for identification of point-mutation protein. <i>Procedia Engineering</i> , 2010, 7, 143-146.	1.2	0

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73	Iodide etching for one-step quantitative assay of the number of DNA molecules capped on gold nanoparticles. <i>Analytical Methods</i> , 2022, 14, 1232-1238.	1.3	0
74	Antimicrobial properties of metal nanoclusters. , 2022, , 537-568.		0