Lingwen Liao

List of Publications by Year
in descending order

51 papers	3,052 citations	147801 31 h-index	197818 49 g-index
53 all docs	53 docs citations	53 times ranked	2028 citing authors

#	Article	IF	Citations
1	Unraveling the long-pursued Au ₁₄₄ structure by x-ray crystallography. Science Advances, 2018, 4, eaat7259.	10.3	267
2	Mono-cadmium vs Mono-mercury Doping of Au₂₅ Nanoclusters. Journal of the American Chemical Society, 2015, 137, 15350-15353.	13.7	211
3	Mono-Mercury Doping of Au₂₅ and the HOMO/LUMO Energies Evaluation Employing Differential Pulse Voltammetry. Journal of the American Chemical Society, 2015, 137, 9511-9514.	13.7	206
4	Fluorescent Gold Nanoclusters with Interlocked Staples and a Fully Thiolateâ€Bound Kernel. Angewandte Chemie - International Edition, 2016, 55, 11567-11571.	13.8	159
5	Structure of Chiral Au₄₄(2,4-DMBT)₂₆ Nanocluster with an 18-Electron Shell Closure. Journal of the American Chemical Society, 2016, 138, 10425-10428.	13.7	149
6	Hardâ€Sphere Random Closeâ€Packed Au₄₇Cd₂(TBBT)₃₁ Nanoclusters with a Faradaic Efficiency of Up to 96â€‰% for Electrocatalytic CO₂ Reduction to CO. Angewandte Chemie - International Edition, 2020, 59, 3073-3077.	13.8	139
7	Control Over the Branched Structures of Platinum Nanocrystals for Electrocatalytic Applications. ACS Nano, 2012, 6, 9797-9806.	14.6	126
8	Structures and magnetism of mono-palladium and mono-platinum doped Au₂₅(PET)₁₈nanoclusters. Chemical Communications, 2016, 52, 9873-9876.	4.1	120
9	A Dual Purpose Strategy to Endow Gold Nanoclusters with Both Catalysis Activity and Water Solubility. Journal of the American Chemical Society, 2020, 142, 973-977.	13.7	109
10	Pd-Ag alloy hollow nanostructures with interatomic charge polarization for enhanced electrocatalytic formic acid oxidation. Nano Research, 2016, 9, 1590-1599.	10.4	102
11	Bimetal Doping in Nanoclusters: Synergistic or Counteractive?. Chemistry of Materials, 2016, 28, 8240-8247.	6.7	90
12	Kernel Tuning and Nonuniform Influence on Optical and Electrochemical Gaps of Bimetal Nanoclusters. Journal of the American Chemical Society, 2018, 140, 3487-3490.	13.7	81
13	Polyoxometalates Immobilized in Ordered Mesoporous Carbon Nitride as Highly Efficient Water Oxidation Catalysts. ChemSusChem, 2012, 5, 1207-1212.	6.8	66
14	Quasiâ€Dualâ€Packedâ€Kerneled Au₄₉(2,4â€DMBT)₂₇ Nanoclusters and the Influence of Kernel Packing on the Electrochemical Gap. Angewandte Chemie - International Edition, 2017, 56, 12644-12648.	13.8	66
15	The fcc structure isomerization in gold nanoclusters. Nanoscale, 2017, 9, 14809-14813.	5.6	62
16	Fcc versus Nonâ€fcc Structural Isomerism of Gold Nanoparticles with Kernel Atom Packing Dependent Photoluminescence. Angewandte Chemie - International Edition, 2019, 58, 4510-4514.	13.8	59
17	A novel double-helical-kernel evolution pattern of gold nanoclusters: alternate single-stranded growth at both ends. Nanoscale, 2017, 9, 3742-3746.	5.6	58
18	Alternating Array Stacking of Ag₂₆Au and Ag₂₄Au Nanoclusters. Angewandte Chemie - International Edition, 2019, 58, 9897-9901.	13.8	58

#	Article	IF	Citations
19	A Silver Nanocluster Containing Interstitial Sulfur and Unprecedented Chemical Bonds. Angewandte Chemie - International Edition, 2018, 57, 11273-11277.	13.8	57
20	A unique platinum-graphene hybrid structure for high activity and durability in oxygen reduction reaction. Scientific Reports, 2013, 3, 2580.	3.3	55
21	Transition-sized Au₉₂nanoparticle bridging non-fcc-structured gold nanoclusters and fcc-structured gold nanocrystals. Chemical Communications, 2016, 52, 12036-12039.	4.1	54
22	Surface Single-Atom Tailoring of a Gold Nanoparticle. Journal of Physical Chemistry Letters, 2018, 9, 204-208.	4.6	51
23	Structural Oscillation Revealed in Gold Nanoparticles. Journal of the American Chemical Society, 2020, 142, 12140-12145.	13.7	51
24	Quantitatively Monitoring the Size-Focusing of Au Nanoclusters and Revealing What Promotes the Size Transformation from Au₄₄(TBBT)₂₈ to Au₃₆(TBBT)₂₄. Analytical Chemistry, 2016, 88, 11297-11301.	6.5	48
25	Is the kernelâ€“staples match a keyâ€“lock match?. Chemical Science, 2018, 9, 2437-2442.	7.4	48
26	Two-Way Transformation between fcc- and Nonfcc-Structured Gold Nanoclusters. Journal of Physical Chemistry Letters, 2017, 8, 5338-5343.	4.6	47
27	Traceless Removal of Two Kernel Atoms in a Gold Nanocluster and Its Impact on Photoluminescence. Angewandte Chemie - International Edition, 2021, 60, 8668-8672.	13.8	43
28	Fluorescent Gold Nanoclusters with Interlocked Staples and a Fully Thiolateâ€Bound Kernel. Angewandte Chemie, 2016, 128, 11739-11743.	2.0	42
29	Synthesis of fluorescent phenylethanethiolated gold nanoclusters via pseudo-AGR method. Nanoscale, 2015, 7, 16200-16203.	5.6	41
30	Ion-precursor and ion-dose dependent anti-galvanic reduction. Chemical Communications, 2015, 51, 11773-11776.	4.1	35
31	Reduction-resistant and reduction-catalytic double-crown nickel nanoclusters. Nanoscale, 2014, 6, 14195-14199.	5.6	33
32	An Unprecedented Kernel Growth Mode and Layerâ€Numberâ€Odevityâ€Dependent Properties in Gold Nanoclusters. Angewandte Chemie - International Edition, 2020, 59, 731-734.	13.8	33
33	Hardâ€Sphere Random Closeâ€Packed Au₄₇Cd₂(TBBT)₃₁ Nanoclusters with a Faradaic Efficiency of Up to 96â€‰% for Electrocatalytic CO₂ Reduction to CO. Angewandte Chemie, 2020, 132, 3097-3101.	2.0	33
34	Synthesis and Properties Evolution of a Family of Tiara-like Phenylethanethiolated Palladium Nanoclusters. Scientific Reports, 2015, 5, 16628.	3.3	32
35	Goldâ€Doping of Doubleâ€Crown Pd Nanoclusters. Chemistry - A European Journal, 2017, 23, 18187-18192.	3.3	29
36	Two-Way Alloying and Dealloying of Cadmium in Metalloid Gold Clusters. Inorganic Chemistry, 2019, 58, 5388-5392.	4.0	29

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37	Kernel Homology in Gold Nanoclusters. Angewandte Chemie - International Edition, 2018, 57, 15450-15454.	13.8	26
38	A Silver Nanocluster Containing Interstitial Sulfur and Unprecedented Chemical Bonds. Angewandte Chemie, 2018, 130, 11443-11447.	2.0	24
39	PPh_{3:} Converts Thiolated Gold Nanoparticles to [Au₂₅(PPh₃)₁₀(SR)₅Cl₂]²⁺. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2018, 34, 792-798.	4.9	24
40	Quasiâ€Dualâ€Packedâ€Kerneled Au 49 (2,4â€DMBT) 27 Nanoclusters and the Influence of Kernel Packing on the Electrochemical Gap. Angewandte Chemie, 2017, 129, 12818-12822.	2.0	20
41	Module Replacement of Gold Nanoparticles by a Pseudo-AGR Process. Acta Chimica Sinica, 2020, 78, 407.	1.4	17
42	The reactivity of phenylethanethiolated gold nanoparticles with acetic acid. Chemical Communications, 2017, 53, 11646-11649.	4.1	11
43	Kernel Homology in Gold Nanoclusters. Angewandte Chemie, 2018, 130, 15676-15680.	2.0	10
44	Fcc versus Nonâ€fcc Structural Isomerism of Gold Nanoparticles with Kernel Atom Packing Dependent Photoluminescence. Angewandte Chemie, 2019, 131, 4558-4562.	2.0	9
45	Alternating Array Stacking of Ag26Au and Ag24Au Nanoclusters. Angewandte Chemie, 2019, 131, 10002-10006.	2.0	8
46	Traceless Removal of Two Kernel Atoms in a Gold Nanocluster and Its Impact on Photoluminescence. Angewandte Chemie, 2021, 133, 8750-8754.	2.0	7
47	Sizeâ€Dependent Cytotoxicity of Thiolated Silver Nanoparticles Rapidly Probed by using Differential Pulse Voltammetry. ChemElectroChem, 2016, 3, 1197-1200.	3.4	3
48	An Unprecedented Kernel Growth Mode and Layerâ€Numberâ€Oddevityâ€Dependent Properties in Gold Nanoclusters. Angewandte Chemie, 2020, 132, 741-744.	2.0	2
49	Innentitelbild: Fcc versus Nonâ€fcc Structural Isomerism of Gold Nanoparticles with Kernel Atom Packing Dependent Photoluminescence (Angew. Chem. 14/2019). Angewandte Chemie, 2019, 131, 4460-4460.	2.0	0
50	Frontispiz: Traceless Removal of Two Kernel Atoms in a Gold Nanocluster and Its Impact on Photoluminescence. Angewandte Chemie, 2021, 133, .	2.0	0
51	Frontispiece: Traceless Removal of Two Kernel Atoms in a Gold Nanocluster and Its Impact on Photoluminescence. Angewandte Chemie - International Edition, 2021, 60, .	13.8	0