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	Traceless Removal of Two Kernel Atoms in a Gold Nanocluster and Its Impact on Photoluminescence. Angewandte Chemie, 2021, 133, 8750-8754.	2.0	7
2	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
3	Frontispiz: Traceless Removal of Two Kernel Atoms in a Gold Nanocluster and Its Impact on Photoluminescence. Angewandte Chemie, 2021, 133, .	2.0	0
4	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
5	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
6	An Unprecedented Kernel Growth Mode and Layerâ€Numberâ€Odevityâ€Dependent Properties in Gold Nanoclusters. Angewandte Chemie, 2020, 132, 741-744.	2.0	2
7	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
8	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
9	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
10	Structural Oscillation Revealed in Gold Nanoparticles. Journal of the American Chemical Society, 2020, 142, 12140-12145.	13.7	51
11	Module Replacement of Gold Nanoparticles by a Pseudo-AGR Process. Acta Chimica Sinica, 2020, 78, 407.	1.4	17
12	Fcc versus Nonâ€fcc Structural Isomerism of Gold Nanoparticles with Kernel Atom Packing Dependent Photoluminescence. Angewandte Chemie, 2019, 131, 4558-4562.	2.0	9
13	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
14	Alternating Array Stacking of Ag26Au and Ag24Au Nanoclusters. Angewandte Chemie, 2019, 131, 10002-10006.	2.0	8
15	Alternating Array Stacking of Ag₂₆Au and Ag₂₄Au Nanoclusters. Angewandte Chemie - International Edition, 2019, 58, 9897-9901.	13.8	58
16	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
17	Two-Way Alloying and Dealloying of Cadmium in Metalloid Gold Clusters. Inorganic Chemistry, 2019, 58, 5388-5392.	4.0	29
18	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

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19	Is the kernelâ€“staples match a keyâ€“lock match?. Chemical Science, 2018, 9, 2437-2442.	7.4	48
20	Surface Single-Atom Tailoring of a Gold Nanoparticle. Journal of Physical Chemistry Letters, 2018, 9, 204-208.	4.6	51
21	Kernel Homology in Gold Nanoclusters. Angewandte Chemie - International Edition, 2018, 57, 15450-15454.	13.8	26
22	Kernel Homology in Gold Nanoclusters. Angewandte Chemie, 2018, 130, 15676-15680.	2.0	10
23	Unraveling the long-pursued Au ₁₄₄ structure by x-ray crystallography. Science Advances, 2018, 4, eaat7259.	10.3	267
24	A Silver Nanocluster Containing Interstitial Sulfur and Unprecedented Chemical Bonds. Angewandte Chemie, 2018, 130, 11443-11447.	2.0	24
25	A Silver Nanocluster Containing Interstitial Sulfur and Unprecedented Chemical Bonds. Angewandte Chemie - International Edition, 2018, 57, 11273-11277.	13.8	57
26	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
27	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
28	The reactivity of phenylethanethiolated gold nanoparticles with acetic acid. Chemical Communications, 2017, 53, 11646-11649.	4.1	11
29	The fcc structure isomerization in gold nanoclusters. Nanoscale, 2017, 9, 14809-14813.	5.6	62
30	Goldâ€Doping of Doubleâ€Crown Pd Nanoclusters. Chemistry - A European Journal, 2017, 23, 18187-18192.	3.3	29
31	Two-Way Transformation between fcc- and Nonfcc-Structured Gold Nanoclusters. Journal of Physical Chemistry Letters, 2017, 8, 5338-5343.	4.6	47
32	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
33	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
34	Structures and magnetism of mono-palladium and mono-platinum doped Au₂₅(PET)₁₈nanoclusters. Chemical Communications, 2016, 52, 9873-9876.	4.1	120
35	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
36	Pd-Ag alloy hollow nanostructures with interatomic charge polarization for enhanced electrocatalytic formic acid oxidation. Nano Research, 2016, 9, 1590-1599.	10.4	102

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37	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
38	Transition-sized Au₉₂nanoparticle bridging non-fcc-structured gold nanoclusters and fcc-structured gold nanocrystals. Chemical Communications, 2016, 52, 12036-12039.	4.1	54
39	Fluorescent Gold Nanoclusters with Interlocked Staples and a Fully Thiolateâ€Bound Kernel. Angewandte Chemie, 2016, 128, 11739-11743.	2.0	42
40	Fluorescent Gold Nanoclusters with Interlocked Staples and a Fully Thiolateâ€Bound Kernel. Angewandte Chemie - International Edition, 2016, 55, 11567-11571.	13.8	159
41	Bimetal Doping in Nanoclusters: Synergistic or Counteractive?. Chemistry of Materials, 2016, 28, 8240-8247.	6.7	90
42	Sizeâ€Dependent Cytotoxicity of Thiolated Silver Nanoparticles Rapidly Probed by using Differential Pulse Voltammetry. ChemElectroChem, 2016, 3, 1197-1200.	3.4	3
43	Synthesis and Properties Evolution of a Family of Tiara-like Phenylethanethiolated Palladium Nanoclusters. Scientific Reports, 2015, 5, 16628.	3.3	32
44	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
45	Ion-precursor and ion-dose dependent anti-galvanic reduction. Chemical Communications, 2015, 51, 11773-11776.	4.1	35
46	Synthesis of fluorescent phenylethanethiolated gold nanoclusters via pseudo-AGR method. Nanoscale, 2015, 7, 16200-16203.	5.6	41
47	Mono-cadmium vs Mono-mercury Doping of Au₂₅ Nanoclusters. Journal of the American Chemical Society, 2015, 137, 15350-15353.	13.7	211
48	Reduction-resistant and reduction-catalytic double-crown nickel nanoclusters. Nanoscale, 2014, 6, 14195-14199.	5.6	33
49	A unique platinum-graphene hybrid structure for high activity and durability in oxygen reduction reaction. Scientific Reports, 2013, 3, 2580.	3.3	55
50	Control Over the Branched Structures of Platinum Nanocrystals for Electrocatalytic Applications. ACS Nano, 2012, 6, 9797-9806.	14.6	126
51	Polyoxometalates Immobilized in Ordered Mesoporous Carbon Nitride as Highly Efficient Water Oxidation Catalysts. ChemSusChem, 2012, 5, 1207-1212.	6.8	66