Quan-Ming Wang

List of Publications by Year in Descending Order

126 papers	6,387 citations	46 h-index	76 g-index
135 ext. papers	7,466 ext. citations	9.4 avg, IF	6.48 L-index

#	Paper	IF	Citations
126	Superatomic Orbital Splitting in Coinage Metal Nanoclusters.. *Journal of Physical Chemistry Letters*, **2022**, 291-295	6.4	0
125	A 59-Electron Non-Magic-Number Gold Nanocluster Au(C?CR) Showing Unexpectedly High Stability.. *Journal of the American Chemical Society*, **2022**, 144, 690-694	16.4	3
124	Ligand Engineering toward the Trade-off between Stability and Activity in Cluster Catalysis.. *Angewandte Chemie - International Edition*, **2022**,	16.4	3
123	Structural transformation and catalytic hydrogenation activity of amidinate-protected copper hydride clusters.. *Nature Communications*, **2022**, 13, 2082	17.4	3
122	Molecular Gold Nanocluster Au Showing Metallic Electron Dynamics. *Journal of the American Chemical Society*, **2021**, 143, 17059-17067	16.4	7
121	Chiral Superatomic Nanoclusters Ag Induced by the Ligation of Amino Acids. *Angewandte Chemie - International Edition*, **2021**, 60, 11430-11435	16.4	20
120	Chiral Superatomic Nanoclusters Ag47 Induced by the Ligation of Amino Acids. *Angewandte Chemie* , **2021**, 133, 11531-11536	3.6	0
119	Cluster From Cluster: A Quantitative Approach to Magic Gold Nanoclusters [Au (SR)]. *Angewandte Chemie - International Edition*, **2021**, 60, 14415-14419	16.4	7
118	Robust Gold Nanocluster Protected with Amidinates for Electrocatalytic CO2 Reduction. *Angewandte Chemie*, **2021**, 133, 14466-14470	3.6	1
117	Cluster From Cluster: A Quantitative Approach to Magic Gold Nanoclusters [Au25(SR)18]□ *Angewandte Chemie*, **2021**, 133, 14536-14540	3.6	0
116	Robust Gold Nanocluster Protected with Amidinates for Electrocatalytic CO Reduction. *Angewandte Chemie - International Edition*, **2021**, 60, 14345-14349	16.4	12
115	Heterometallic Coinage Metal Acetylenediide Clusters Showing Tailored Thermochromic Luminescence. *Angewandte Chemie - International Edition*, **2021**, 60, 14381-14384	16.4	5
114	Heterometallic Coinage Metal Acetylenediide Clusters Showing Tailored Thermochromic Luminescence. *Angewandte Chemie*, **2021**, 133, 14502-14505	3.6	0
113	Atomically Precise Preorganization of Open Metal Sites on Gold Nanoclusters with High Catalytic Performance. *Angewandte Chemie*, **2021**, 133, 5285-5289	3.6	1
112	Atomically Precise Preorganization of Open Metal Sites on Gold Nanoclusters with High Catalytic Performance. *Angewandte Chemie - International Edition*, **2021**, 60, 5225-5229	16.4	19
111	Enriching Structural Diversity of Alkynyl-Protected Gold Nanoclusters with Chlorides. *Angewandte Chemie - International Edition*, **2021**, 60, 6699-6703	16.4	11
110	Enriching Structural Diversity of Alkynyl-Protected Gold Nanoclusters with Chlorides. *Angewandte Chemie*, **2021**, 133, 6773-6777	3.6	2

109	A stable well-defined copper hydride cluster consolidated with hemilabile phosphines. *Chemical Communications*, **2021**, 57, 4315-4318	5.8	4
108	Rod-Shaped Silver Supercluster Unveiling Strong Electron Coupling between Substituent Icosahedral Units. *Journal of the American Chemical Society*, **2021**, 143, 12261-12267	16.4	11
107	Ligand-Protected Au55 with a Novel Structure and Remarkable CO2 Electroreduction Performance. *Angewandte Chemie*, **2021**, 133, 20916-20921	3.6	2
106	Ligand-Protected Au with a Novel Structure and Remarkable CO Electroreduction Performance. *Angewandte Chemie - International Edition*, **2021**, 60, 20748-20753	16.4	9
105	Ultrastable hydrido gold nanoclusters with the protection of phosphines. *Chemical Communications* , **2020**, 56, 7037-7040	5.8	17
104	Homoleptic alkynyl-protected gold nanoclusters with unusual compositions and structures. *Nanoscale*, **2020**, 12, 13346-13350	7.7	16
103	Formation of an Alkynyl-Protected Ag112 Silver Nanocluster as Promoted by Chloride Released In Situ from CH2Cl2. *Angewandte Chemie*, **2020**, 132, 5350-5353	3.6	15
102	Isomerization in Alkynyl-Protected Gold Nanoclusters. *Journal of the American Chemical Society*, **2020**, 142, 2995-3001	16.4	62
101	Formation of an Alkynyl-Protected Ag Silver Nanocluster as Promoted by Chloride Released In Situ from CH Cl. *Angewandte Chemie - International Edition*, **2020**, 59, 5312-5315	16.4	47
100	Structure Determination of Alkynyl-Protected Gold Nanocluster Au (BuC?C) and Its Thermochromic Luminescence. *Angewandte Chemie - International Edition*, **2020**, 59, 2309-2312	16.4	55
99	Structure Determination of Alkynyl-Protected Gold Nanocluster Au22(tBuC?C)18 and Its Thermochromic Luminescence. *Angewandte Chemie*, **2020**, 132, 2329-2332	3.6	14
98	Total Structure Determination of the Largest Alkynyl-Protected fcc Gold Nanocluster Au and the Study on Its Ultrafast Excited-State Dynamics. *Journal of the American Chemical Society*, **2020**, 142, 18086-18092	16.4	22
97	Solvent-triggered reversible interconversion of all-nitrogen-donor-protected silver nanoclusters and their responsive optical properties. *Nature Communications*, **2019**, 10, 4032	17.4	49
96	Monitoring the growth of Ag-S clusters through crystallization of intermediate clusters. *Chemical Communications*, **2019**, 55, 6771-6774	5.8	11
95	Same Magic Number but Different Arrangement: Alkynyl-Protected Au25 with D3 Symmetry. *Angewandte Chemie*, **2019**, 131, 1095-1099	3.6	29
94	The stability enhancement factor beyond eight-electron shell closure in thiacalix[4]arene-protected silver clusters. *Chemical Science*, **2019**, 10, 3360-3365	9.4	38
93	A Ligand-Protected Golden Fullerene: The Dipyridylamido Au328+ Nanocluster. *Angewandte Chemie*, **2019**, 131, 5967-5970	3.6	25
92	A Ligand-Protected Golden Fullerene: The Dipyridylamido Au Nanocluster. *Angewandte Chemie - International Edition*, **2019**, 58, 5906-5909	16.4	60

91	[AuAg(dppf)(CFCO)BF]: a linear nanocluster polymer from molecular Au7Ag8 clusters covalently linked by silver atoms. *Chemical Communications*, **2019**, 55, 12992-12995	5.8	19
90	Same Magic Number but Different Arrangement: Alkynyl-Protected Au with D Symmetry. *Angewandte Chemie - International Edition*, **2019**, 58, 1083-1087	16.4	87
89	Chiroptical Activity Enhancement via Structural Control: The Chiral Synthesis and Reversible Interconversion of Two Intrinsically Chiral Gold Nanoclusters. *Journal of the American Chemical Society*, **2019**, 141, 2384-2390	16.4	72
88	Homo and heterometallic gold(I) clusters with hypercoordinated carbon. *Coordination Chemistry Reviews*, **2019**, 378, 382-394	23.2	46
87	Au Ag (C?CPh) Br : A Large Nanocluster with C Symmetry. *Angewandte Chemie - International Edition* , **2018**, 57, 5703-5707	16.4	46
86	Gas-Phase Photoluminescence and Photodissociation of Silver-Capped Hexagold Clusters. *Journal of Physical Chemistry A*, **2018**, 122, 5799-5810	2.8	7
85	An alkynyl-protected Au nanocluster featuring PhC[triple bond, length as m-dash]C-Au-P^P motifs. *Chemical Communications*, **2018**, 54, 10367-10370	5.8	24
84	Enantiopure Magnetic Heterometallic Coordination Cubic Cages [MII8CuII6] (M = Ni, Co). *Crystal Growth and Design*, **2018**, 18, 4555-4561	3.5	11
83	Catalyzed assembly of hollow silver-sulfide cluster through self-releasable anion template. *Communications Chemistry*, **2018**, 1,	6.3	7
82	Alkynyl Approach toward the Protection of Metal Nanoclusters. *Accounts of Chemical Research*, **2018**, 51, 2465-2474	24.3	227
81	Ligand-Controlled Doping Effects in Alloy Nanoclusters Au Ag and Au Ag. *Chemistry - A European Journal*, **2018**, 24, 16029-16035	4.8	14
80	Isolation and Total Structure Determination of an All-Alkynyl-Protected Gold Nanocluster Au. *Angewandte Chemie - International Edition*, **2018**, 57, 8639-8643	16.4	113
79	Isolation and Total Structure Determination of an All-Alkynyl-Protected Gold Nanocluster Au144. *Angewandte Chemie*, **2018**, 130, 8775-8779	3.6	35
78	Au57Ag53(C?CPh)40Br12: A Large Nanocluster with C1 Symmetry. *Angewandte Chemie*, **2018**, 130, 5805-5809	3.6	17
77	Alkynyl-protected gold and gold-silver nanoclusters. *Dalton Transactions*, **2017**, 46, 3427-3434	4.3	83
76	Full Protection of Intensely Luminescent Gold(I)-Silver(I) Cluster by Phosphine Ligands and Inorganic Anions. *Angewandte Chemie - International Edition*, **2017**, 56, 7117-7120	16.4	72
75	Full Protection of Intensely Luminescent Gold(I)-Silver(I) Cluster by Phosphine Ligands and Inorganic Anions. *Angewandte Chemie*, **2017**, 129, 7223-7226	3.6	13
74	Alkynyl-protected silver nanoclusters featuring an anticuboctahedral kernel. *Nanoscale*, **2017**, 9, 11405-11409	7.7	54

73	Vapochromic Gold(I)Silver(I) Cluster Protected by Alkynyl and Phosphine Ligands. *European Journal of Inorganic Chemistry*, **2017**, 2017, 5098-5102	2.3	11
72	Intensely luminescent gold(i) phosphinopyridyl clusters: visualization of unsupported aurophilic interactions in solution. *Chemical Communications*, **2017**, 53, 10902-10905	5.8	18
71	Homoleptic Alkynyl-Protected Gold Nanoclusters: Au (PhC?C) and Au (PhC?C). *Angewandte Chemie - International Edition*, **2017**, 56, 11494-11497	16.4	94
70	Innenr□ktitelbild: Full Protection of Intensely Luminescent Gold(I)Silver(I) Cluster by Phosphine Ligands and Inorganic Anions (Angew. Chem. 25/2017). *Angewandte Chemie*, **2017**, 129, 7425-7425	3.6	
69	Homoleptic Alkynyl-Protected Gold Nanoclusters: Au44(PhC?C)28 and Au36(PhC?C)24. *Angewandte Chemie*, **2017**, 129, 11652-11655	3.6	41
68	Atomically Precise Bimetallic AuCu Nanocluster with an Icosidodecahedral Cu Shell and an Alkynyl-Cu Interface. *Journal of the American Chemical Society*, **2017**, 139, 9451-9454	16.4	79
67	Ligand effects in catalysis by atomically precise gold nanoclusters. *Science Advances*, **2017**, 3, e1701823	14.3	203
66	Thiacalix[4]arene: New protection for metal nanoclusters. *Science Advances*, **2016**, 2, e1600323	14.3	86
65	Luminescence responsive intracluster rearrangements of gold(i)-silver(i) clusters triggered by acetonitrile. *Chemical Communications*, **2016**, 52, 8022-5	5.8	27
64	Chloride-Promoted Formation of a Bimetallic Nanocluster Au80Ag30 and the Total Structure Determination. *Journal of the American Chemical Society*, **2016**, 138, 7848-51	16.4	96
63	The transformation of polyoxometalates in the formation of intercluster compound [Ag41(□SiW(10)O37)((t)BuC?C)27(CH3CN)3][□SiW(12)O40]. *Chemical Communications*, **2016**, 52, 3801-4	5.8	20
62	Atomically Precise Alkynyl-Protected Metal Nanoclusters as a Model Catalyst: Observation of Promoting Effect of Surface Ligands on Catalysis by Metal Nanoparticles. *Journal of the American Chemical Society*, **2016**, 138, 3278-81	16.4	246
61	An Atomically Precise Au10 Ag2 Nanocluster with Red-Near-IR Dual Emission. *Chemistry - A European Journal*, **2016**, 22, 11156-60	4.8	28
60	[Mn(III)Mn(IV)2Mo14O56](17-): A Mixed-Valence Meso-Polyoxometalate Anion Encapsulated by a 64-Nuclearity Silver Cluster. *Inorganic Chemistry*, **2016**, 55, 6833-5	5.1	17
59	Second-Order Nonlinear Optical Scattering Properties of Phosphine-Protected Au20 Clusters. *Industrial & Engineering Chemistry Research*, **2016**, 55, 10500-10506	3.9	12
58	Solvent Dependent Excited State Behaviors of Luminescent Gold(I)Silver(I) Cluster with Hypercoordinated Carbon. *Journal of Physical Chemistry C*, **2015**, 119, 14980-14988	3.8	25
57	An organic anion template: a 24-nucleus silver cluster encapsulating a squarate dimer. *Chemical Communications*, **2015**, 51, 9896-8	5.8	33
56	Alkynyl-protected Au23 nanocluster: a 12-electron system. *Angewandte Chemie - International Edition*, **2015**, 54, 5977-80	16.4	114

55	Highly Active Gold(I)-Silver(I) Oxo Cluster Activating sp□C-H Bonds of Methyl Ketones under Mild Conditions. *Journal of the American Chemical Society*, **2015**, 137, 5520-5	16.4	40
54	Assembly of silver alkynyl compounds with various nuclearities. *Dalton Transactions*, **2015**, 44, 2439-46	4.3	11
53	A Near-Infrared-Emissive Alkynyl-Protected Au24 Nanocluster. *Angewandte Chemie - International Edition*, **2015**, 54, 9683-6	16.4	130
52	Alkynyl-Protected Au23 Nanocluster: A 12-Electron System. *Angewandte Chemie*, **2015**, 127, 6075-6078	3.6	43
51	A Near-Infrared-Emissive Alkynyl-Protected Au24 Nanocluster. *Angewandte Chemie*, **2015**, 127, 9819-9822	3.6	48
50	Role of Anions Associated with the Formation and Properties of Silver Clusters. *Accounts of Chemical Research*, **2015**, 48, 1570-9	24.3	213
49	Au19 nanocluster featuring a V-shaped alkynyl-gold motif. *Journal of the American Chemical Society*, **2015**, 137, 652-5	16.4	176
48	Diastereoselective synthesis of O symmetric heterometallic cubic cages. *Chemical Communications*, **2015**, 51, 3804-7	5.8	20
47	A Chiral Gold Nanocluster Au20 Protected by Tetradentate Phosphine Ligands. *Angewandte Chemie* , **2014**, 126, 2967-2970	3.6	55
46	[Ag(70)(PW(9)O(34))(2)((t)BuC[triple bond, length as m-dash]C)(44)(H(2)O)(2)](8+): ionothermal synthesis of a silver cluster encapsulating lacunary polyoxometalate ions. *Chemical Communications* , **2014**, 50, 2353-5	5.8	92
45	Cluster linker approach: preparation of a luminescent porous framework with NbO topology by linking silver ions with gold(I) clusters. *Angewandte Chemie - International Edition*, **2014**, 53, 12771-5	16.4	90
44	Cluster Linker Approach: Preparation of a Luminescent Porous Framework with NbO Topology by Linking Silver Ions with Gold(I) Clusters. *Angewandte Chemie*, **2014**, 126, 12985-12989	3.6	29
43	Innenr□cktitelbild: Cluster Linker Approach: Preparation of a Luminescent Porous Framework with NbO Topology by Linking Silver Ions with Gold(I) Clusters (Angew. Chem. 47/2014). *Angewandte Chemie*, **2014**, 126, 13185-13185	3.6	
42	A chiral gold nanocluster Au20 protected by tetradentate phosphine ligands. *Angewandte Chemie - International Edition*, **2014**, 53, 2923-6	16.4	176
41	Postclustering dynamic covalent modification for chirality control and chiral sensing. *Journal of the American Chemical Society*, **2013**, 135, 16184-91	16.4	55
40	Directed formation of tri-connected Cu(I) coordination polymers. *CrystEngComm*, **2013**, 15, 9372	3.3	13
39	A phosphorescent silver(I)-gold (I) cluster complex that specifically lights up the nucleolus of living cells with FLIM imaging. *Biomaterials*, **2013**, 34, 4284-95	15.6	43
38	Geminal tetraauration of acetonitrile: hemilabile-phosphine-stabilized Au8Ag4 cluster compounds. *Journal of the American Chemical Society*, **2013**, 135, 6435-7	16.4	51

37	Solvent-induced intercluster rearrangements and the reversible luminescence responses in sulfide bridged gold(I)-silver(I) clusters. *Chemical Communications*, **2012**, 48, 8691-3	5.8	56
36	Au20 nanocluster protected by hemilabile phosphines. *Journal of the American Chemical Society*, **2012**, 134, 14750-2	16.4	176
35	Luminescence responsive charge transfer intercluster crystals. *Chemistry - A European Journal*, **2012** , 18, 11184-7	4.8	27
34	Heterometallic coordination polymers generated from tripodal metalloligands. *Inorganic Chemistry Communication*, **2011**, 14, 1128-1131	3.1	18
33	A luminescent gold(I)-copper(I) cluster with unprecedented carbon-centered trigonal prismatic hexagold. *Chemical Communications*, **2011**, 47, 4739-41	5.8	46
32	Methanol triggered ligand flip isomerization in a binuclear copper(I) complex and the luminescence response. *Chemical Communications*, **2011**, 47, 9179-81	5.8	46
31	Luminescent molecular Ag-S nanocluster [Ag(62)S(13)(SBu(t))(32)](BF(4))(4). *Journal of the American Chemical Society*, **2010**, 132, 17678-9	16.4	253
30	Unprecedented solution-stable silver(I) ethynediyl clusters. *Chemistry - A European Journal*, **2010**, 16, 12321-3	4.8	34
29	A Giant Silver Alkynyl Cage with Sixty Silver(I) Ions Clustered around Polyoxometalate Templates. *Angewandte Chemie*, **2010**, 122, 1809-1811	3.6	36
28	A giant silver alkynyl cage with sixty silver(I) ions clustered around polyoxometalate templates. *Angewandte Chemie - International Edition*, **2010**, 49, 1765-7	16.4	182
27	A Facile Template Approach to High-Nuclearity Silver(I) Alkynyl Clusters. *Angewandte Chemie*, **2009**, 121, 5467-5469	3.6	33
26	Construction of Heterometallic Cages with Tripodal Metalloligands. *Angewandte Chemie*, **2009**, 121, 7479-7481	3.6	35
25	A facile template approach to high-nuclearity silver(I) alkynyl clusters. *Angewandte Chemie - International Edition*, **2009**, 48, 5363-5	16.4	137
24	Construction of heterometallic cages with tripodal metalloligands. *Angewandte Chemie - International Edition*, **2009**, 48, 7343-5	16.4	105
23	High-nuclearity silver clusters templated by carbonates generated from atmospheric carbon dioxide fixation. *Journal of the American Chemical Society*, **2009**, 131, 3422-3	16.4	145
22	Intensely luminescent gold(I)-silver(I) cluster with hypercoordinated carbon. *Journal of the American Chemical Society*, **2009**, 131, 16634-5	16.4	134
21	Ligand- and anion-controlled formation of silver alkynyl oligomers from soluble precursors. *Inorganic Chemistry*, **2008**, 47, 1877-9	5.1	43
20	Snowman-like silver alkynyl cluster consolidated by templating chloride and peripheral trifluoroacetates. *Chemical Communications*, **2008**, 5586-8	5.8	76

19	Crystal structures of 1,1-di(p-substituted phenyl)-2,2-dinitroethylenes. *Journal of Chemical Crystallography*, **2004**, 34, 67-72	0.5	
18	Intensely luminescent gold(I)-silver(I) cluster complexes with tunable structural features. *Journal of the American Chemical Society*, **2004**, 126, 9488-9	16.4	143
17	Crown ethers as ancillary ligands in the assembly of silver(i) aggregates containing embedded acetylenediide. *Chemistry - A European Journal*, **2003**, 9, 43-50	4.8	36
16	Assembly of discrete, one-, two-, and three-dimensional silver(I) supramolecular complexes containing encapsulated acetylide dianion with nitrogen-donor spacers. *Inorganic Chemistry*, **2003**, 42, 1637-43	5.1	61
15	An anionic silver(I) column containing a novel asymmetric double cage with embedded acetylenediide and unprecedented ?-ligation of the nitrate ion. *Dalton Transactions*, **2003**, 25-27	4.3	13
14	Facile construction of anionic silver(I) aggregates with embedded acetylide and cyanide ions. *Angewandte Chemie - International Edition*, **2002**, 41, 4135-7	16.4	29
13	Structural Diversity of Silver Clusters in Double and Triple Salts of Silver Acetylide with Silver Perfluoro-Dicarboxylates. *Journal of Cluster Science*, **2002**, 13, 63-73	3	13
12	A mixed-valent silver(I, II) complex containing a self-assembled silver(I) cluster dimer with encapsulated acetylide dianion. *New Journal of Chemistry*, **2002**, 26, 513-515	3.6	34
11	Novel lanthanide(III) coordination networks based on 1,2-bis(4-pyridyl)ethane-N,N?-dioxide and trans-1,2-bis(4-pyridyl)ethene-N,N?-dioxide. *New Journal of Chemistry*, **2002**, 26, 775-781	3.6	31
10	Crown-Ether-Directed Assembly of Discrete and One-Dimensional Silver Aggregates Containing Embedded Acetylenediide. *Angewandte Chemie*, **2001**, 113, 1164-1167	3.6	12
9	Crown-Ether-Directed Assembly of Discrete and One-Dimensional Silver Aggregates Containing Embedded Acetylenediide. *Angewandte Chemie - International Edition*, **2001**, 40, 1130-1133	16.4	51
8	Coexistence of Differently Capped Trigonal Prismatic C2@Ag7 Cages in a Triple Salt of Silver(I) Acetylide. *Journal of Cluster Science*, **2001**, 12, 391-398	3	6
7	Argentophilicity and solvent-induced structural diversity in double salts of silver acetylide with silver perfluoroalkyl carboxylates. *Journal of the American Chemical Society*, **2001**, 123, 7594-600	16.4	116
6	Elliptic Column Consolidated by Acetylide Dianion, Cyanide, and Trifluoroacetate in a Novel Quadruple Salt of Silver(I). *Journal of the American Chemical Society*, **2001**, 123, 1501-1502	16.4	65
5	A novel luminescent copper(I) complex containing an acetylenediide-bridged, butterfly-shaped tetranuclear core. *Chemical Communications*, **2001**, 1658-9	5.8	35
4	Induced assembly of a catenated chain of edge-sharing silver(I) dodecahedra with embedded acetylide by silver(II)-tmc (tmc = 1,4,8,11-tetramethyl-1,4,8,11-tetraazacyclotetradecane). *Chemical Communications*, **2001**, 807-808	5.8	55
3	Novel layer-type triple salts of silver(I), AgCN□AgF□4AgCF3CO2□2L (L = MeCN or H2O). *Chemical Communications*, **2000**, 1435-1436	5.8	33
2	Novel Honeycomb-Like Layered Structure: The First Isomorphous Triple Salts of Silver Acetylide. *Journal of the American Chemical Society*, **2000**, 122, 7608-7609	16.4	75

1	Structure refinement and Raman spectrum of silver azide. *Journal of Chemical Crystallography*, **1999**, 29, 561-564	0.5	30