Thomas BÃ¼rgi

List of Publications by Year
in descending order

285	14,060	16451 64	32842 100
papers	citations	h-index	g-index

299	299	299	10775
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metal Nanoclusters as Versatile Building Blocks for Hierarchical Structures. Helvetica Chimica Acta, 2022, 105, .	1.6	8
2	Evidence for stereoelectronic effects in ligand exchange reactions on Au₂₅ nanoclusters. Nanoscale, 2022, 14, 2456-2464.	5.6	6
3	Molecule-like and lattice vibrations in metal clusters. Physical Chemistry Chemical Physics, 2022, 24, 13848-13859.	2.8	3
4	The Atomically Precise Gold/Captopril Nanocluster Au₂₅(Capt)₁₈ Gains Anticancer Activity by Inhibiting Mitochondrial Oxidative Phosphorylation. ACS Applied Materials & Interfaces, 2022, 14, 29521-29536.	8.0	16
5	Palladium(0)â€Catalyzed Enantioselective Intramolecular Arylation of Enantiotopic Secondary Câ^'H Bonds. Angewandte Chemie - International Edition, 2021, 60, 7245-7250.	13.8	17
6	Ligand exchange reactions on thiolate-protected gold nanoclusters. Nanoscale Advances, 2021, 3, 2710-2727.	4.6	47
7	Copper nanoclusters: designed synthesis, structural diversity, and multiplatform applications. Nanoscale, 2021, 13, 6283-6340.	5.6	105
8	Experimental Confirmation of a Topological Isomer of the Ubiquitous Au₂₅(SR)₁₈ Cluster in the Gas Phase. Journal of the American Chemical Society, 2021, 143, 1273-1277.	13.7	33
9	Combined spectroscopic studies on post-functionalized Au₂₅ cluster as an ATR-FTIR sensor for cations. Chemical Science, 2021, 12, 7419-7427.	7.4	5
10	Palladium(0)â€Catalyzed Enantioselective Intramolecular Arylation of Enantiotopic Secondary Câ^'H Bonds. Angewandte Chemie, 2021, 133, 7321-7326.	2.0	2
11	Deposition of Extended Ordered Ultrathin Films of Au₃₈(SC₂H₄Ph)₂₄ Nanocluster using Langmuirâ€“Blodgett Technique. Small, 2021, 17, e2005954.	10.0	7
12	Observation of Carbonic Acid Formation from Interaction between Carbon Dioxide and Ice by Using In Situ Modulation Excitation IR Spectroscopy. Angewandte Chemie - International Edition, 2021, 60, 7860-7865.	13.8	9
13	Observation of Carbonic Acid Formation from Interaction between Carbon Dioxide and Ice by Using In Situ Modulation Excitation IR Spectroscopy. Angewandte Chemie, 2021, 133, 7939-7944.	2.0	0
14	Photo-Aligned Nematic Liquid Crystals Enable the Modulation of Thermoplasmonic Heating. Applied Sciences (Switzerland), 2021, 11, 6272.	2.5	3
15	Raman Spectroscopic Fingerprints of Atomically Precise Ligand Protected Noble Metal Clusters: Au₃₈(PET)₂₄ and Au_{38â^'}_xAg_x(PET)₂₄. Small, 2021, 17, e2101855.	10.0	9
16	Predictive optical photoabsorption of Ag24Au(DMBT)18â^' via efficient TDDFT simulations. Journal of Chemical Physics, 2021, 155, 084103.	3.0	12
17	Hygroline derivatives from Schizanthus tricolor and their anti-trypanosomatid and antiplasmodial activities. Phytochemistry, 2021, 192, 112957.	2.9	3
18	Absolute configuration retention of a configurationally labile ligand during dynamic processes of thiolate protected gold clusters. Chemical Science, 2021, 12, 9413-9419.	7.4	4

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19	Role of Intercluster and Interligand Dynamics of [Ag₂₅(DMBT)₁₈]^{â”} Nanoclusters by Multinuclear Magnetic Resonance Spectroscopy. Journal of Physical Chemistry C, 2021, 125, 2524-2530.	3.1	9
20	Chiral Functionalization of an Atomically Precise Noble Metal Cluster: Insights into the Origin of Chirality and Photoluminescence. ACS Nano, 2020, 14, 9687-9700.	14.6	56
21	Ligand exchange reactions on the chiral Au₃₈ cluster: CD modulation caused by the modification of the ligand shell composition. Nanoscale, 2020, 12, 18160-18170.	5.6	6
22	Access to Chiral Rigid Hemicyanine Fluorophores from TrÃ¶ger Bases and Î±-Imino Carbenes. Organic Letters, 2020, 22, 7599-7603.	4.6	9
23	Amplification of enantiomeric excess by dynamic inversion of enantiomers in deracemization of Au38 clusters. Nature Communications, 2020, 11, 4562.	12.8	27
24	Antibacterial and ATP Synthesis Modulating Compounds from Salvia tingitana. Journal of Natural Products, 2020, 83, 1027-1042.	3.0	14
25	Visible Light CO₂ Reduction to CH₄ Using Hierarchical Yolk@shell TiO_{2â€“x}H_x Modified with Plasmonic Auâ€“Pd Nanoparticles. ACS Sustainable Chemistry and Engineering, 2020, 8, 3689-3696.	6.7	47
26	The Enantiomers of Trinorbornane and Derivatives Thereof. Helvetica Chimica Acta, 2020, 103, e2000019.	1.6	3
27	Thiolato Protected Copper Sulfide Cluster with the Tentative Composition Cu₇₄S₁₅(2-PET)₄₅. Inorganic Chemistry, 2020, 59, 2200-2208.	4.0	13
28	Ligand engineering of immobilized nanoclusters on surfaces: ligand exchange reactions with supported Au₁₁(PPh₃)₇Br₃. Nanoscale, 2020, 12, 12809-12816.	5.6	19
29	Self-Assembled Arrays of Gold Nanorod-Decorated Dielectric Microspheres with a Magnetic Dipole Response in the Visible Range for Perfect Lensing and Cloaking Applications. ACS Applied Nano Materials, 2020, 3, 6108-6117.	5.0	7
30	Ligand and support effects on the reactivity and stability of Au38(SR)24 catalysts in oxidation reactions. Catalysis Communications, 2019, 130, 105768.	3.3	13
31	Vibrational Circular Dichroism of Thiolate-Protected Au₂₅ Clusters: Accurate Prediction of Spectra and Chirality Transfer within the Mixed Ligand Shell. Journal of Physical Chemistry C, 2019, 123, 22586-22594.	3.1	9
32	Doping of thiolate protected gold clusters through reaction with metal surfaces. Nanoscale, 2019, 11, 2938-2945.	5.6	38
33	Stereochemical significance of O to N atom interchanges within cationic helicenes: experimental and computational evidence of near racemization to remarkable enantiospecificity. Chemical Science, 2019, 10, 7059-7067.	7.4	13
34	Engineering of highly active Au/Pd supported on hydrogenated urchin-like yolk@shell TiO₂ for visible light photocatalytic Suzuki coupling. Catalysis Science and Technology, 2019, 9, 3820-3827.	4.1	45
35	Dynamic Origin of Chirality Transfer between Chiral Surface and Achiral Ligand in Au₃₈ Clusters. ACS Nano, 2019, 13, 7127-7134.	14.6	13
36	Sesquiterpene Lactones from Artemisia argyi: Absolute Configuration and Immunosuppressant Activity. Journal of Natural Products, 2019, 82, 1424-1433.	3.0	36

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37	The deconvolution analysis of ATR-FTIR spectra of diacetylene during UV exposure. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 219, 23-32.	3.9	12
38	Plasmon-mediated discrete diffraction behaviour of an array of responsive waveguides. Nanoscale, 2019, 11, 17931-17938.	5.6	0
39	Transformation from [Au₂₅(SCH₂CH₂CH₂CH₃)₁₈]⁰ to Au₂₈(SCH₂CH(CH₃)Ph)₂₁ gold nanoclusters: gentle conditions is enough. Chemical Communications, 2019, 55, 14914-14917.	4.1	23
40	Amplified vibrational circular dichroism as a manifestation of the interaction between a water soluble gold nanocluster and cobalt salt. Nanoscale, 2019, 11, 23226-23233.	5.6	6
41	Divergent Enantioselective Synthesis of (Nor)illudalane Sesquiterpenes via Pd⁰-Catalyzed Asymmetric C(sp³)â€“H Activation. Organic Letters, 2019, 21, 812-815.	4.6	29
42	3D Yolk@Shell TiO_{2â€“x}/LDH Architecture: Tailored Structure for Visible Light CO₂ Conversion. ACS Applied Materials & Interfaces, 2019, 11, 5903-5910.	8.0	63
43	Engineered nanostructures characterization by spectral interferometric microscopy. , 2019, , .		0
44	High-resolution interference microscopy with spectral resolution for the characterization of individual particles and self-assembled meta-atoms. Optics Express, 2019, 27, 20990.	3.4	2
45	Absolute configuration of sesquiterpene lactones with potent immunosuppressant activity. , 2019, 85, .		0
46	On the mechanism of rapid metal exchange between thiolate-protected gold and gold/silver clusters: a time-resolved in situ XAFS study. Physical Chemistry Chemical Physics, 2018, 20, 5312-5318.	2.8	27
47	NMR spectroscopy: a potent tool for studying monolayer-protected metal nanoclusters. Nanoscale Horizons, 2018, 3, 457-463.	8.0	32
48	Dynamic optical properties of gold nanoparticles/cholesteric liquid crystal arrays. MRS Communications, 2018, 8, 550-555.	1.8	10
49	Vibrational Properties of Thiolate-Protected Gold Nanoclusters. Accounts of Chemical Research, 2018, 51, 2811-2819.	15.6	161
50	Ligand Migration from Cluster to Support: A Crucial Factor for Catalysis by Thiolateâ€protected Gold Clusters. ChemCatChem, 2018, 10, 5341-5341.	3.7	0
51	Ligand Migration from Cluster to Support: A Crucial Factor for Catalysis by Thiolateâ€protected Gold Clusters. ChemCatChem, 2018, 10, 5372-5376.	3.7	44
52	A command layer for anisotropic plasmonic photo-thermal effects in liquid crystal. Liquid Crystals, 2018, 45, 2214-2220.	2.2	23
53	Covalently bonded multimers of Au₂₅(SBut)₁₈ as a conjugated system. Nanoscale, 2018, 10, 12754-12762.	5.6	22
54	Flexible thermo-plasmonics: an opto-mechanical control of the heat generated at the nanoscale. Nanoscale, 2018, 10, 16556-16561.	5.6	30

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55	Facile Synthesis, Size-Separation, Characterization, and Antimicrobial Properties of Thiolated Copper Clusters. ACS Applied Nano Materials, 2018, 1, 4258-4267.	5.0	28
56	Design principles of chiral carbon nanodots help convey chirality from molecular to nanoscale level. Nature Communications, 2018, 9, 3442.	12.8	169
57	Mapping Infrared Enhancement around Gold Nanoparticles Using Polyelectrolytes. Journal of Physical Chemistry C, 2017, 121, 2355-2363.	3.1	8
58	Structural Investigation of the Ligand Exchange Reaction with Rigid Dithiol on Doped (Pt, Pd) Au₂₅ Clusters. Journal of Physical Chemistry C, 2017, 121, 10919-10926.	3.1	30
59	Kinetic Resolution of 2â€Substituted Indolines by Nâ€Sulfonylation using an Atropisomeric 4â€DMAPâ€Nâ€oxide Organocatalyst. Angewandte Chemie - International Edition, 2017, 56, 5760-5764.	13.8	48
60	Au₃₈Cu₁(2-PET)₂₄ nanocluster: synthesis, enantioseparation and luminescence. Dalton Transactions, 2017, 46, 7708-7713.	3.3	33
61	Kinetic Resolution of 2â€Substituted Indolines by Nâ€Sulfonylation using an Atropisomeric 4â€DMAPâ€Nâ€oxide Organocatalyst. Angewandte Chemie, 2017, 129, 5854-5858.	2.0	12
62	Regioselective and Enantiospecific Synthesis of Dioxepines by (Cyclopentadienyl)ruthenâ€Catalyzed Condensations of Diazocarbonyls and Oxetanes. Advanced Synthesis and Catalysis, 2017, 359, 2918-2923.	4.3	20
63	Photo-thermal study of a layer of randomly distributed gold nanoparticles: from nano-localization to macro-scale effects. Journal Physics D: Applied Physics, 2017, 50, 435302.	2.8	23
64	Thermo-plasmonic effects on E7 nematic liquid crystal. Molecular Crystals and Liquid Crystals, 2017, 649, 45-49.	0.9	6
65	Triplet state CPL active heliceneâ€“dithiolene platinum bipyridine complexes. Chemical Communications, 2017, 53, 9210-9213.	4.1	69
66	Enantiospecific Elongation of Cationic Helicenes by Electrophilic Functionalization at Terminal Ends. Chemistry - A European Journal, 2017, 23, 13596-13601.	3.3	27
67	Dynamic Nature of Thiolate Monolayer in Au₂₅(SR)₁₈ Nanoclusters. ACS Nano, 2017, 11, 12609-12614.	14.6	63
68	Triggering Emission with the Helical Turn in Thiadiazoleâ€Helicenes. Chemistry - A European Journal, 2017, 23, 437-446.	3.3	42
69	Absolute configuration of sesquiterpene lactones with potent immunosuppressive activity. Planta Medica International Open, 2017, 4, .	0.5	0
70	Investigation of the thin film crystallization of a <scp>DNA</scp> copolymer hybrid composed of chitosan. Polymer International, 2016, 65, 1165-1171.	3.1	1
71	Vibrational Coupling Modulation in n-Alkanethiolate Protected Au₂₅(SR)₁₈⁰ Clusters. Journal of Physical Chemistry C, 2016, 120, 25378-25386.	3.1	20
72	Control of the plasmonic resonance of a graphene coated plasmonic nanoparticle array combined with a nematic liquid crystal. AIP Advances, 2016, 6, 075114.	1.3	1

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73	Optical control of plasmonic heating effects using reversible photo-alignment of nematic liquid crystals. Applied Physics Letters, 2016, 109, .	3.3	19
74	Isolation of atomically precise mixed ligand shell PdAu₂₄clusters. Nanoscale, 2016, 8, 11130-11135.	5.6	31
75	Configurationally Stable Doubly Bridged Biphenyl Azocines through Copper-Catalyzed Double Carbene Insertions into the Corresponding Azepines. Synthesis, 2016, 48, 3254-3262.	2.3	3
76	Symmetry Breaking in Chiral Ionic Liquids Evidenced by Vibrational Optical Activity. Angewandte Chemie - International Edition, 2016, 55, 11787-11790.	13.8	21
77	In Situ ATR-FTIR Investigation of Photodegradation of 3,4-Dihydroxybenzoic Acid on TiO2. Catalysis Letters, 2016, 146, 2215-2220.	2.6	8
78	Electron transfer across the germaniumâ€“polyelectrolyteâ€“gold nanoparticle interface: convenient detection and applications in sensing. Physical Chemistry Chemical Physics, 2016, 18, 26942-26948.	2.8	2
79	Symmetriebruch in chiralen ionischen FlÃ¼ssigkeiten: Nachweis durch vibratorisch-optische AktivitÃt. Angewandte Chemie, 2016, 128, 11962-11966.	2.0	4
80	Twisted and tubular silica structures by anionic surfactant fibers encapsulation. Journal of Colloid and Interface Science, 2016, 477, 166-175.	9.4	4
81	Silver migration between Au₃₈(SC₂H₄Ph)₂₄ and doped Ag_xAu_{38â^'x}(SC₂H₄Ph)₂₄ nanoclusters. Chemical Communications, 2016, 52, 9205-9207.	4.1	57
82	Doping Silver Increases the Au₃₈(SR)₂₄ Cluster Surface Flexibility. Journal of Physical Chemistry C, 2016, 120, 4660-4666.	3.1	53
83	Resonance Raman Optical Activity Spectra of Single-Walled Carbon Nanotube Enantiomers. Journal of Physical Chemistry Letters, 2016, 7, 221-225.	4.6	30
84	Fluorescence enhancement in large-scale self-assembled gold nanoparticle double arrays. Journal of Applied Physics, 2015, 118, .	2.5	17
85	A Mild and Efficient CH₂â€Extrusion Reaction for the Enantiospecific Synthesis of Highly Configurationally Stable TrÃ¶ger Bases. Angewandte Chemie - International Edition, 2015, 54, 7520-7523.	13.8	13
86	Remote stereoselective deconjugation of Î±,Î²-unsaturated esters by simple amidation reactions. Chemical Science, 2015, 6, 4923-4928.	7.4	25
87	Large-scale plasmonic-SERS templates by successive growth steps. Current Applied Physics, 2015, 15, 253-260.	2.4	9
88	Nonlinear Optical Properties of Thiolate-Protected Gold Clusters. Journal of Physical Chemistry C, 2015, 119, 6221-6226.	3.1	54
89	Access to enantioenriched 2,3- and 2,5-dihydrofurans with a fully substituted C2 stereocenter by Pd-catalyzed asymmetric intermolecular Heck reaction. Chemical Science, 2015, 6, 4807-4811.	7.4	32
90	Modulation of Active Sites in Supported Au₃₈(SC₂H₄Ph)₂₄ Cluster Catalysts: Effect of Atmosphere and Support Material. Journal of Physical Chemistry C, 2015, 119, 11193-11199.	3.1	59

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91	Chirality transfer from gold nanocluster to adsorbate evidenced by vibrational circular dichroism. Nature Communications, 2015, 6, 7117.	12.8	128
92	The beginnings of plasmomechanics: towards plasmonic strain sensors. Frontiers of Materials Science, 2015, 9, 170-177.	2.2	45
93	Excited state interactions between the chiral Au₃₈L₂₄ cluster and covalently attached porphyrin. Physical Chemistry Chemical Physics, 2015, 17, 14788-14795.	2.8	17
94	Pd₂Au₃₆(SR)₂₄cluster: structure studies. Nanoscale, 2015, 7, 17012-17019.	5.6	46
95	Plasmomechanics: A Colour-Changing Device Based on the Plasmonic Coupling of Gold Nanoparticles. Molecular Crystals and Liquid Crystals, 2015, 614, 20-29.	0.9	14
96	Properties of the goldâ€“sulphur interface: from self-assembled monolayers to clusters. Nanoscale, 2015, 7, 15553-15567.	5.6	226
97	Preparation of Anisotropic and Oriented Particles on a Flexible Substrate. Langmuir, 2015, 31, 13221-13229.	3.5	3
98	Copperâ€Catalyzed Propargylic Substitution of Dichloro Substrates: Enantioselective Synthesis of Trisubstituted Allenes and Formation of Propargylic Quaternary Stereogenic Centers. Chemistry - A European Journal, 2014, 20, 16694-16706.	3.3	39
99	[CpRu]â€Catalyzed Carbene Insertions into Epoxides: 1,4â€Dioxene Synthesis through S_N1â€Like Chemistry with Retention of Configuration. Angewandte Chemie - International Edition, 2014, 53, 6140-6144.	13.8	43
100	An IR modulator based on the self-assembly of gold nanoparticles on germanium. Physical Chemistry Chemical Physics, 2014, 16, 19402-19407.	2.8	5
101	Where does the Raman optical activity of [Rh(en)₃]³⁺ come from? Insight from a combined experimental and theoretical approach. Physical Chemistry Chemical Physics, 2014, 16, 23260-23273.	2.8	18
102	Chiral Phase Transfer and Enantioenrichment of Thiolate-Protected Au₁₀₂ Clusters. Journal of the American Chemical Society, 2014, 136, 4129-4132.	13.7	125
103	Stacked and Tunable Large-Scale Plasmonic Nanoparticle Arrays for Surface-Enhanced Raman Spectroscopy. Journal of Physical Chemistry C, 2014, 118, 10230-10237.	3.1	19
104	Convergent Synthesis, Resolution, and Chiroptical Properties of Dimethoxychromenoacridinium Ions. Organic Letters, 2014, 16, 3800-3803.	4.6	14
105	Racemization of Chiral Pd₂Au₃₆(SC₂H₄Ph)₂₄: Doping Increases the Flexibility of the Cluster Surface. Journal of the American Chemical Society, 2014, 136, 14361-14364.	13.7	105
106	Enantioselective Catalytic Fluorinative Aza-semipinacol Rearrangement. Organic Letters, 2014, 16, 4988-4991.	4.6	36
107	Chirality in Thiolate-Protected Gold Clusters. Accounts of Chemical Research, 2014, 47, 1318-1326.	15.6	370
108	Structural Information on the Auâ€“S Interface of Thiolate-Protected Gold Clusters: A Raman Spectroscopy Study. Journal of Physical Chemistry C, 2014, 118, 9604-9611.	3.1	115

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109	Growing gold nanoparticles on a flexible substrate to enable simple mechanical control of their plasmonic coupling. Journal of Materials Chemistry C, 2014, 2, 7927-7933.	5.5	87
110	A self-assembled three-dimensional cloak in the visible. Scientific Reports, 2013, 3, 2328.	3.3	51
111	Stabilization of Thiolate-Protected Gold Clusters Against Thermal Inversion: Diastereomeric Au₃₈(SCH₂CH₂Ph)_{24â€“2x}(R-BINAS)_x. Journal of Physical Chemistry C, 2013, 117, 15354-15361.	3.1	41
112	On the flexibility of the goldâ€“thiolate interface: racemization of the Au40(SR)24 cluster. Nanoscale, 2013, 5, 9568.	5.6	30
113	Discriminability of tryptophan containing dipeptides using quantum control. Applied Physics B: Lasers and Optics, 2013, 111, 541-549.	2.2	7
114	The fate of Au25(SR)18 clusters upon ligand exchange with binaphthyl-dithiol: interstaple binding vs. decomposition. Physical Chemistry Chemical Physics, 2013, 15, 15816.	2.8	37
115	Electronic Structure and Optical Properties of the Thiolate-Protected Au₂₈(SMe)₂₀ Cluster. Journal of Physical Chemistry A, 2013, 117, 10526-10533.	2.5	56
116	Ligand Exchange Reaction on Au₃₈(SR)₂₄, Separation of Au₃₈(SR)₂₃(SRâ€²)₁ Regioisomers, and Migration of Thiolates. Journal of Physical Chemistry C, 2013, 117, 21619-21625.	3.1	43
117	All-optical control of localized plasmonic resonance realized by photoalignment of liquid crystals. Journal of Materials Chemistry C, 2013, 1, 7483.	5.5	31
118	Structures and chiroptical properties of the BINAS-monosubstituted Au38(SCH3)24 cluster. Nanoscale, 2013, 5, 10956.	5.6	45
119	Far-infrared spectra of well-defined thiolate-protected gold clusters. Physical Chemistry Chemical Physics, 2013, 15, 19561.	2.8	32
120	Modular Synthesis, Orthogonal Postâ€Functionalization, Absorption, and Chiroptical Properties of Cationic [6]Helicenes. Angewandte Chemie - International Edition, 2013, 52, 1796-1800.	13.8	92
121	Self-assembled plasmonic metamaterials. Nanophotonics, 2013, 2, 211-240.	6.0	43
122	Bottom-up Organisation of Metallic Nanoparticles. Nano-optics and Nanophotonics, 2013, , 1-37.	0.2	8
123	Adsorption of Gold and Silver Nanoparticles on Polyelectrolyte Layers and Growth of Polyelectrolyte Multilayers: An In Situ ATR-IR Study. Journal of Physical Chemistry C, 2013, 117, 26652-26658.	3.1	10
124	Chiroptical Properties of Intrinsically Chiral Thiolate-protected Gold Clusters. Chimia, 2013, 67, 236-239.	0.6	8
125	Bottom-up metamaterials with an isotropic magnetic response in the visible. , 2012, , .		0
126	Plasmonic nanoparticles assemblies: preparation, structural, and optical properties. , 2012, , .		0

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127	Photoinduced electron transfer and photodegradation of malonic acid at Au/TiO2 investigated by in situ ATR-IR spectroscopy. Applied Catalysis A: General, 2012, 449, 139-144.	4.3	14
128	8.34 Physical and Spectrometric Analysis: Nano-Detection of Chirality. , 2012, , 657-675.		0
129	In situ ATR-IR spectroscopy study of adsorbed protein: Visible light denaturation of bovine serum albumin on TiO2. Applied Surface Science, 2012, 261, 369-374.	6.1	82
130	Asymmetric C(sp3)-H/C(Ar) coupling reactions. Highly enantio-enriched indolines via regiodivergent reaction of a racemic mixture. Chemical Science, 2012, 3, 1422.	7.4	161
131	Ligand dependence of the synthetic approach and chiroptical properties of a magic cluster protected with a bicyclic chiral thiolate. Chemical Communications, 2012, 48, 4630.	4.1	37
132	Preparation and Spectroscopic Properties of Monolayer-Protected Silver Nanoclusters. Journal of Physical Chemistry C, 2012, 116, 8034-8043.	3.1	71
133	Au₄₀(SR)₂₄ Cluster as a Chiral Dimer of 8-Electron Superatoms: Structure and Optical Properties. Journal of the American Chemical Society, 2012, 134, 19560-19563.	13.7	112
134	Double active control of the plasmonic resonance of a gold nanoparticle array. Nanoscale, 2012, 4, 7619.	5.6	37
135	In Situ Reaction Monitoring Reveals a Diastereoselective Ligand Exchange Reaction between the Intrinsically Chiral Au₃₈(SR)₂₄ and Chiral Thiols. Journal of the American Chemical Society, 2012, 134, 20302-20305.	13.7	79
136	Strong non-linear effects in the chiroptical properties of the ligand-exchanged Au38 and Au40 clusters. Nanoscale, 2012, 4, 4211.	5.6	38
137	Racemization of a Chiral Nanoparticle Evidences the Flexibility of the Goldâ€“Thiolate Interface. Journal of the American Chemical Society, 2012, 134, 13114-13120.	13.7	107
138	Exciting Bright and Dark Eigenmodes in Strongly Coupled Asymmetric Metallic Nanoparticle Arrays. Journal of Physical Chemistry C, 2012, 116, 17746-17752.	3.1	13
139	First enantioseparation and circular dichroism spectra of Au38 clusters protected by achiral ligands. Nature Communications, 2012, 3, 798.	12.8	433
140	Dye Bonding to TiO₂: In Situ Attenuated Total Reflection Infrared Spectroscopy Study, Simulations, and Correlation with Dye-Sensitized Solar Cell Characteristics. Langmuir, 2012, 28, 11354-11363.	3.5	10
141	Separation of Enantiomers and CD Spectra of Au₄₀(SCH₂CH₂Ph)₂₄: Spectroscopic Evidence for Intrinsic Chirality. Angewandte Chemie - International Edition, 2012, 51, 7589-7591.	13.8	137
142	Preface to the Alfons Baiker Festschrift. Journal of Physical Chemistry C, 2011, 115, 841-841.	3.1	0
143	In Situ ATR-IR Study on the Photocatalytic Decomposition of Amino Acids over Au/TiO₂ and TiO₂. Journal of Physical Chemistry C, 2011, 115, 2228-2234.	3.1	29
144	On the Cooling of Electronics With Nanofluids. Journal of Heat Transfer, 2011, 133, .	2.1	96

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145	Size Exclusion Chromatography for Semipreparative Scale Separation of Au₃₈(SR)₂₄ and Au₄₀(SR)₂₄ and Larger Clusters. Analytical Chemistry, 2011, 83, 5056-5061.	6.5	157
146	Optical properties of a fabricated self-assembled bottom-up bulk metamaterial. Optics Express, 2011, 19, 9607.	3.4	66
147	Coupling of Plasmon Resonances in Tunable Layered Arrays of Gold Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 8955-8960.	3.1	56
148	Self-Assembled Plasmonic Coreâ€“Shell Clusters with an Isotropic Magnetic Dipole Response in the Visible Range. ACS Nano, 2011, 5, 6586-6592.	14.6	111
149	Shining Light at Working Interfaces and Chiral Nanoparticles. Chimia, 2011, 65, 157-167.	0.6	8
150	Attenuated total reflection infrared (ATR-IR) spectroscopy, modulation excitation spectroscopy (MES), and vibrational circular dichroism (VCD). , 2011, , 115-144.		4
151	Pigments based on silica-coated gold nanorods: Synthesis, colouring strength, functionalisation, extrusion, thermal stability and colour evolution. Gold Bulletin, 2010, 43, 94-104.	2.7	13
152	Preparation of gold nanorods of high quality and high aspect ratio. Journal Wuhan University of Technology, Materials Science Edition, 2010, 25, 104-107.	1.0	6
153	Ligand Exchange Reactions on Au₃₈ and Au₄₀ Clusters: A Combined Circular Dichroism and Mass Spectrometry Study. Journal of the American Chemical Society, 2010, 132, 16783-16789.	13.7	153
154	Dynamic Perspective on the Function of Thermoresponsive Nanopores from in Situ AFM and ATR-IR Investigations. Langmuir, 2010, 26, 15356-15365.	3.5	15
155	Vibrational Circular Dichroism of Adsorbed Molecules: BINAS on Gold Nanoparticles. Journal of Physical Chemistry C, 2010, 114, 15897-15902.	3.1	50
156	On the Thermal Conductivity of Gold Nanoparticle Colloids. Langmuir, 2010, 26, 663-670.	3.5	139
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