Su Seong Lee

List of Publications by Year
in descending order

97 papers	7,173 citations	117453 34 h-index	56606 83 g-index
107 all docs	107 docs citations	107 times ranked	9744 citing authors

#	Article	IF	Citations
1	Synthesis of Highly Crystalline and Monodisperse Maghemite Nanocrystallites without a Size-Selection Process. Journal of the American Chemical Society, 2001, 123, 12798-12801.	6.6	1,937
2	Silica-Coated Nanocomposites of Magnetic Nanoparticles and Quantum Dots. Journal of the American Chemical Society, 2005, 127, 4990-4991.	6.6	805
3	Nanoparticle Architectures Templated by SiO2/Fe2O3Nanocomposites. Chemistry of Materials, 2006, 18, 614-619.	3.2	371
4	Synthesis and Applications of Magnetic Nanocomposite Catalysts. Chemistry of Materials, 2006, 18, 2459-2461.	3.2	350
5	Engineered nanomedicines with enhanced tumor penetration. Nano Today, 2019, 29, 100800.	6.2	317
6	Synthesis of Highly Crystalline and Monodisperse Cobalt Ferrite Nanocrystals. Journal of Physical Chemistry B, 2002, 106, 6831-6833.	1.2	297
7	Reverse Microemulsion-Mediated Synthesis of Silica-Coated Gold and Silver Nanoparticles. Langmuir, 2008, 24, 5842-5848.	1.6	180
8	Pressure-Driven Enzyme Entrapment in Siliceous Mesocellular Foam. Chemistry of Materials, 2006, 18, 643-649.	3.2	141
9	Spherical Siliceous Mesocellular Foam Particles for High-Speed Size Exclusion Chromatography. Chemistry of Materials, 2007, 19, 2292-2298.	3.2	129
10	Palladium Nanoclusters Supported on Propylureaâ€Modified Siliceous Mesocellular Foam for Coupling and Hydrogenation Reactions. Chemistry - A European Journal, 2008, 14, 3118-3125.	1.7	116
11	Self-Assembling Peptide Nanofibrous Hydrogel as a Versatile Drug Delivery Platform. Current Pharmaceutical Design, 2015, 21, 4342-4354.	0.9	114
12	A Review of Resveratrol as a Potent Chemoprotective and Synergistic Agent in Cancer Chemotherapy. Frontiers in Pharmacology, 2018, 9, 1534.	1.6	113
13	Enantioselective Catalysis over Chiral Imidazolidin-4-one Immobilized on Siliceous and Polymer-Coated Mesocellular Foams. Advanced Synthesis and Catalysis, 2006, 348, 2027-2032.	2.1	105
14	Colloidal cobalt nanoparticles: a highly active and reusable Pausonâ€“Khand catalyst. Chemical Communications, 2001, , 2212-2213.	2.2	104
15	Target identification of natural and traditional medicines with quantitative chemical proteomics approaches. , 2016, 162, 10-22.		93
16	(.eta.6-Polyarene)Mn(CO)3+ Complexes as Manganese Tricarbonyl Transfer Reagents. A Convenient and General Synthetic Route to (arene)Mn(CO)3+ Complexes. Organometallics, 1995, 14, 2613-2615.	1.1	84
17	Targeted intracellular protein delivery based on hyaluronic acidâ€“green tea catechin nanogels. Acta Biomaterialia, 2016, 33, 142-152.	4.1	78
18	Mesoporous silica-supported catalysts for metathesis: application to a circulating flow reactor. Chemical Communications, 2010, 46, 806-808.	2.2	72

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19	A nanoparticle replica of the spin-glass state. Applied Physics Letters, 2013, 102, .	1.5	69
20	Controlled Close-Packing of Ferrimagnetic Nanoparticles: An Assessment of the Role of Interparticle Superexchange Versus Dipolar Interactions. Journal of Physical Chemistry C, 2013, 117, 10213-10219.	1.5	62
21	Interparticle interactions in magnetic core/shell nanoarchitectures. Physical Review B, 2009, 80, .	1.1	61
22	Remanence Plots as a Probe of Spin Disorder in Magnetic Nanoparticles. Chemistry of Materials, 2017, 29, 8258-8268.	3.2	61
23	The interplay between single particle anisotropy and interparticle interactions in ensembles of magnetic nanoparticles. Physical Chemistry Chemical Physics, 2018, 20, 28634-28643.	1.3	54
24	Magnetic, optical gold nanorods for recyclable photothermal ablation of bacteria. Journal of Materials Chemistry B, 2014, 2, 981.	2.9	53
25	Highly Active and Selective Zr/MCF Catalyst for Production of 1,3-Butadiene from Ethanol in a Dual Fixed Bed Reactor System. ACS Sustainable Chemistry and Engineering, 2016, 4, 4887-4894.	3.2	53
26	Targeted Delivery of Bleomycin: A Comprehensive Anticancer Review. Current Cancer Drug Targets, 2016, 16, 509-521.	0.8	51
27	Siliceous Mesocellular Foamâ€Supported Aza(bisoxazoline)â€Copper Catalysts. Advanced Synthesis and Catalysis, 2008, 350, 1295-1308.	2.1	50
28	Iterative in Situ Click Chemistry Assembles a Branched Capture Agent and Allosteric Inhibitor for Akt1. Journal of the American Chemical Society, 2011, 133, 18280-18288.	6.6	46
29	Enzymatic conjugation of a bioactive peptide into an injectable hyaluronic acidâ€“tyramine hydrogel system to promote the formation of functional vasculature. Acta Biomaterialia, 2014, 10, 2539-2550.	4.1	45
30	Improved Enantioselectivity of Immobilized Chiral Bisoxazolines by Partial Precapping of the Siliceous Mesocellular Foam Support with Trimethylsilyl Groups. Advanced Synthesis and Catalysis, 2006, 348, 1248-1254.	2.1	44
31	Models for the Homogeneous Hydrodesulfurization of Thiophenes:Â Manganese-Mediated Carbonâ^'Sulfur Bond Cleavage and Hydrogenation Reactions. Organometallics, 1997, 16, 5688-5695.	1.1	43
32	Controlled synthesis of transition metal disulfides (MoS2 and WS2) on carbon fibers: Effects of phase and morphology toward lithiumâ€“sulfur battery performance. Applied Materials Today, 2019, 16, 529-537.	2.3	42
33	The rational design of a peptide-based hydrogel responsive to H₂S. Chemical Communications, 2015, 51, 17273-17276.	2.2	39
34	Molecular Swings as Highly Active Ion Transporters. Angewandte Chemie - International Edition, 2019, 58, 8034-8038.	7.2	37
35	MCF-supported boronic acids as efficient catalysts for direct amide condensation of carboxylic acids and amines. Chemical Communications, 2014, 50, 7017-7019.	2.2	36
36	Siliceous mesocellular foam-supported chiral bisoxazoline: Application to asymmetric cyclopropanation. Journal of Molecular Catalysis A, 2006, 256, 219-224.	4.8	35

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37	Size-dependent surface effects in maghemite nanoparticles and its impact on interparticle interactions in dense assemblies. Nanotechnology, 2015, 26, 475703.	1.3	35
38	Synthesis and bioactivity of a conjugate composed of green tea catechins and hyaluronic acid. Polymer Chemistry, 2015, 6, 4462-4472.	1.9	35
39	Effect of surface modification on the reactivity of MCF-supported IndaBOX. Chemical Communications, 2005, , 3577.	2.2	34
40	In situclick chemistry: from small molecule discovery to synthetic antibodies. Integrative Biology (United Kingdom), 2013, 5, 87-95.	0.6	34
41	Highly Selective Macrocycle Formations by Metathesis Catalysts Fixated in Nanopores. Journal of Organic Chemistry, 2013, 78, 3048-3056.	1.7	31
42	Mesocellular Foam-Supported Catalysts: Enhanced Activity and Recyclability for Ring-Closing Metathesis. Advanced Synthesis and Catalysis, 2007, 349, 1066-1076.	2.1	30
43	Silica-supported catalysts for ring-closing metathesis: effects of linker group and microenvironment on recyclability. Chemical Communications, 2008, , 4312.	2.2	30
44	Recent Advances in Synthesis and Identification of Cyclic Peptides for Bioapplications. Current Topics in Medicinal Chemistry, 2017, 17, 2302-2318.	1.0	28
45	Magnetic Nanoparticles Entrapped in Siliceous Mesocellular Foam: A New Catalyst Support. Chemistry - A European Journal, 2012, 18, 7394-7403.	1.7	27
46	Tailored chondroitin sulfate glycomimetics via a tunable multivalent scaffold for potentiating NGF/TrkA-induced neurogenesis. Chemical Science, 2015, 6, 450-456.	3.7	27
47	Simultaneous Individual and Dipolar Collective Properties in Binary Assemblies of Magnetic Nanoparticles. Chemistry of Materials, 2020, 32, 969-981.	3.2	26
48	Siliceous mesocellular foam for high-performance liquid chromatography: Effect of morphology and pore structure. Journal of Chromatography A, 2010, 1217, 4337-4343.	1.8	25
49	Preparation of Chromiumâ^'Manganese Diarene Heterobimetallic Complexes Using a Mn(CO)3+Transfer Reaction. Organometallics, 1996, 15, 3664-3669.	1.1	24
50	Accurate MALDI-TOF/TOF Sequencing of One-Beadâ^'One-Compound Peptide Libraries with Application to the Identification of Multiligand Protein Affinity Agents Using in Situ Click Chemistry Screening. Analytical Chemistry, 2010, 82, 672-679.	3.2	24
51	Surface Effects Under Visible Irradiation and Heat Treatment on the Phase Stability of Î³-Fe₂O₃ Nanoparticles and Î³-Fe₂O₃ â^'SiO₂ Coreâ€“Shell Nanostructures. Journal of Physical Chemistry C, 2014, 118, 2857-2866.	1.5	22
52	Manganese Thiophene Tricarbonyl Complexes:â€‰ Nucleophilic Addition to Sulfur and Synthesis of Thiophenium Salts. Organometallics, 1997, 16, 1749-1756.	1.1	21
53	Convenient Synthesis of Mixed Ferrocenes. Organometallics, 1997, 16, 304-306.	1.1	21
54	Demagnetization effects in dense nanoparticle assemblies. Applied Physics Letters, 2016, 109, .	1.5	20

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55	Preparation and properties of ferrocenyl bimetallic compounds for non-linear optics. Inorganica Chimica Acta, 1998, 279, 243-248.	1.2	19
56	Preparation and reactivity of tricarbonyl(.eta.-silatranylarene)manganese cations bearing functional substrates. Organometallics, 1993, 12, 4640-4645.	1.1	18
57	Process Automation toward Ultra-High-Throughput Screening of Combinatorial One-Bead-One-Compound (OBOC) Peptide Libraries. Journal of the Association for Laboratory Automation, 2012, 17, 186-200.	2.8	18
58	Synthesis and structure of new diarene-bridged bi- and polymetallic compounds. Inorganica Chimica Acta, 1997, 261, 37-44.	1.2	17
59	Nucleophilic addition reactions of [(polyarene)Mn(CO)3]+ complexes containing naphthalene type ligands. Inorganica Chimica Acta, 1997, 262, 213-217.	1.2	17
60	Phase transition in a super superspin glass. Europhysics Letters, 2013, 102, 67002.	0.7	16
61	Crossover From Individual to Collective Magnetism in Dense Nanoparticle Systems: Local Anisotropy Versus Dipolar Interactions. Small, 2022, 18, .	5.2	16
62	Hydrogenation of (1-phenylthiophene)Mn(CO)3 (thiophene=3-methylthiophene and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (3,4- of Organometallic Chemistry, 1999, 579, 385-390.	0.8	14
63	Rapid Microwave-Assisted CNBr Cleavage of Bead-Bound Peptides. ACS Combinatorial Science, 2008, 10, 807-809.	3.3	14
64	Effects of the individual particle relaxation time on superspin glass dynamics. Physical Review B, 2016, 93, .	1.1	14
65	High-Throughput Screening of Substrate Specificity for Protein Tyrosine Phosphatases (PTPs) on Phosphopeptide Microarrays. Methods in Molecular Biology, 2016, 1368, 181-196.	0.4	14
66	Synthesis of (ferrocenyl-indenyl)cyclopentadienyliron compounds with and without a bridging group via a CpFe transfer reaction. Inorganica Chimica Acta, 1999, 286, 215-220.	1.2	13
67	Analogue of Melanotan II (MTII): A Novel Melanotropin with Superpotent Action on Frog Skin. Protein and Peptide Letters, 2015, 22, 762-766.	0.4	13
68	Synthesis and reactivity of the (benzothiophene)tricarbonylmanganese cation. Inorganica Chimica Acta, 1996, 253, 39-45.	1.2	11
69	Ageing dynamics of a superspin glass. Europhysics Letters, 2014, 108, 17004.	0.7	11
70	An efficient strategy to enhance binding affinity and specificity of a known isozyme inhibitor. Organic and Biomolecular Chemistry, 2016, 14, 6833-6839.	1.5	11
71	Peptideâ€“Peptide Co-Assembly: A Design Strategy for Functional Detection of C-peptide, A Biomarker of Diabetic Neuropathy. International Journal of Molecular Sciences, 2020, 21, 9671.	1.8	11
72	Synthesis of manganese tricarbonyl cationic complexes of ferrocenyl substituted arenes via a manganese tricarbonyl cation transfer reaction. Inorganica Chimica Acta, 1998, 281, 229-234.	1.2	10

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73	Particle size-dependent superspin glass behavior in random compacts of monodisperse maghemite nanoparticles. Materials Research Express, 2016, 3, 045015.	0.8	10
74	Recyclable Photo-Thermal Nano-Aggregates of Magnetic Nanoparticle Conjugated Gold Nanorods for Effective Pathogenic Bacteria Lysis. Journal of Nanoscience and Nanotechnology, 2016, 16, 555-561.	0.9	10
75	Facile saccharide-free mimetics that recapitulate key features of glycosaminoglycan sulfation patterns. Chemical Science, 2018, 9, 7940-7947.	3.7	10
76	Synthesis and electrophilic reactivity of [{Î·5-1-N(CH2CH2O)3Si-6-Me-C6H5}Mn(CO)2NO]BF4. Journal of Organometallic Chemistry, 1994, 483, 115-122.	0.8	9
77	Reactivity of [(1,2,3,4-tetrahydronaphthalene)Mn(CO)3]PF6: molecular structure of [(1,2,3,4-tetrahydronaphthalene)Mn(CO)2(C(O)Me)]. Journal of Organometallic Chemistry, 1995, 486, 141-145.	0.8	9
78	Synthesis of Dimanganese Complexes from the Reduction of Cationic Tricarbonylmanganese Styrene Derivatives. Journal of the American Chemical Society, 1997, 119, 7711-7715.	6.6	9
79	Magnetic properties of nanoparticle compacts with controlled broadening of the particle size distribution. Physical Review B, 2017, 95, .	1.1	9
80	Size effects on the magnetic behavior of Î³-Fe2O3 core/SiO2 shell nanoparticle assemblies. Journal of Magnetism and Magnetic Materials, 2021, 522, 167570.	1.0	9
81	On the detection of surface spin freezing in iron oxide nanoparticles and its long-term evolution under ambient oxidation. Nanotechnology, 2021, 32, 065704.	1.3	9
82	Spherical siliceous mesocellular foam particles for high-speed size exclusion chromatography. Studies in Surface Science and Catalysis, 2007, , 829-832.	1.5	6
83	Investigating fluorescent dyes in fluorescence-assisted screenings. Chemical Communications, 2014, 50, 15220-15223.	2.2	6
84	Elucidating pHâ€Ðependent Collagen Triple Helix Formation through Interstrand Hydroxyprolineâ€Glutamic Acid Interactions. ChemBioChem, 2015, 16, 407-410.	1.3	6
85	Organic Chemistry Tool for Nanoparticles Monofunctionalization and Their Biomedical Applications. Current Organic Chemistry, 2016, 20, 1786-1796.	0.9	6
86	Integration of Novel Materials and Advanced Genomic Technologies into New Vaccine Design. Current Topics in Medicinal Chemistry, 2017, 17, 2286-2301.	1.0	6
87	Preparation and Reactivity of [(Î·6-CH3-Î·5-2-sil-C6H4)Fe(CO)3]BF4 (sil = Si(OCH2CH2)3N). Organometallics, 1996, 15, 5428-5431.	1.1	5
88	Ideal superspin glass behaviour in a random-close-packed ensemble of maghemite nanoparticles. Journal of Physics: Conference Series, 2014, 521, 012011.	0.3	3
89	Role of grafted alkoxybenzylidene ligand in silica-supported Hoveydaâ€“Grubbs-type catalysts. Chemical Communications, 2015, 51, 1042-1045.	2.2	3
90	Combinatorial Bead-Based Peptide Libraries Improved for Rapid and Robust Screenings. Combinatorial Chemistry and High Throughput Screening, 2014, 17, 520-530.	0.6	3

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91	A Versatile Microarray Immobilization Strategy Based on a Biorthogonal Reaction Between Tetrazine and Trans-Cyclooctene. Methods in Molecular Biology, 2017, 1518, 67-80.	0.4	2
92	Recent Advances in Strategies and Tools for Efficient Drug Discovery and Delivery. Current Medicinal Chemistry, 2019, 26, 2232-2233.	1.2	2
93	Super spin dimensionality of a mono-dispersed and densely packed magnetic nanoparticle system. Journal of Physics: Conference Series, 2014, 521, 012012.	0.3	1
94	Effects of incorporation of azido moieties into the hydrophobic core of coiled coil peptides. Chemical Communications, 2015, 51, 3793-3796.	2.2	1
95	Characterization and Preclinical Perspectives of Organic Small Molecule Drug Metabolites in Drug-drug Interactions. Current Organic Chemistry, 2016, 20, 1827-1834.	0.9	1
96	Directing GDNF-mediated neuronal signaling with proactively programmable cell-surface saccharide-free glycosaminoglycan mimetics. Chemical Communications, 2019, 55, 1259-1262.	2.2	0
97	Biocatalytic Nanosystems. , 2013, , 243-278.		0