

Su Seong Lee

List of Publications by Citations

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93
papers

6,265
citations

32
h-index

78
g-index

107
ext. papers

6,721
ext. citations

5.3
avg, IF

5.54
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 93 | Synthesis of highly crystalline and monodisperse maghemite nanocrystallites without a size-selection process. <i>Journal of the American Chemical Society</i> , 2001 , 123, 12798-801 | 16.4 | 1764 |
| 92 | Silica-coated nanocomposites of magnetic nanoparticles and quantum dots. <i>Journal of the American Chemical Society</i> , 2005 , 127, 4990-1 | 16.4 | 757 |
| 91 | Nanoparticle Architectures Templated by SiO ₂ /Fe ₂ O ₃ Nanocomposites. <i>Chemistry of Materials</i> , 2006 , 18, 614-619 | 9.6 | 344 |
| 90 | Synthesis and Applications of Magnetic Nanocomposite Catalysts. <i>Chemistry of Materials</i> , 2006 , 18, 2459-2461 | 9.6 | 332 |
| 89 | Synthesis of Highly Crystalline and Monodisperse Cobalt Ferrite Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 6831-6833 | 3.4 | 264 |
| 88 | Engineered nanomedicines with enhanced tumor penetration. <i>Nano Today</i> , 2019 , 29, 100800 | 17.9 | 209 |
| 87 | Reverse microemulsion-mediated synthesis of silica-coated gold and silver nanoparticles. <i>Langmuir</i> , 2008 , 24, 5842-8 | 4 | 162 |
| 86 | Pressure-Driven Enzyme Entrapment in Siliceous Mesocellular Foam. <i>Chemistry of Materials</i> , 2006 , 18, 643-649 | 9.6 | 137 |
| 85 | Spherical Siliceous Mesocellular Foam Particles for High-Speed Size Exclusion Chromatography. <i>Chemistry of Materials</i> , 2007 , 19, 2292-2298 | 9.6 | 123 |
| 84 | Palladium nanoclusters supported on propylurea-modified siliceous mesocellular foam for coupling and hydrogenation reactions. <i>Chemistry - A European Journal</i> , 2008 , 14, 3118-25 | 4.8 | 108 |
| 83 | Self-Assembling Peptide Nanofibrous Hydrogel as a Versatile Drug Delivery Platform. <i>Current Pharmaceutical Design</i> , 2015 , 21, 4342-54 | 3.3 | 99 |
| 82 | Colloidal cobalt nanoparticles: a highly active and reusable Pauson-Khand catalyst. <i>Chemical Communications</i> , 2001 , 2212-2213 | 5.8 | 97 |
| 81 | Enantioselective Catalysis over Chiral Imidazolidin-4-one Immobilized on Siliceous and Polymer-Coated Mesocellular Foams. <i>Advanced Synthesis and Catalysis</i> , 2006 , 348, 2027-2032 | 5.6 | 96 |
| 80 | Target identification of natural and traditional medicines with quantitative chemical proteomics approaches. <i>Pharmacology & Therapeutics</i> , 2016 , 162, 10-22 | 13.9 | 76 |
| 79 | A Review of Resveratrol as a Potent Chemoprotective and Synergistic Agent in Cancer Chemotherapy. <i>Frontiers in Pharmacology</i> , 2018 , 9, 1534 | 5.6 | 74 |
| 78 | (eta-6-Polyarene)Mn(CO) ₃ + Complexes as Manganese Tricarbonyl Transfer Reagents. A Convenient and General Synthetic Route to (arene)Mn(CO) ₃ + Complexes. <i>Organometallics</i> , 1995 , 14, 2613-2615 | 3.8 | 73 |
| 77 | Mesoporous silica-supported catalysts for metathesis: application to a circulating flow reactor. <i>Chemical Communications</i> , 2010 , 46, 806-8 | 5.8 | 63 |

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| 76 | A nanoparticle replica of the spin-glass state. <i>Applied Physics Letters</i> , 2013 , 102, 183104 | 3.4 | 60 |
| 75 | Targeted intracellular protein delivery based on hyaluronic acid-green tea catechin nanogels. <i>Acta Biomaterialia</i> , 2016 , 33, 142-52 | 10.8 | 59 |
| 74 | Controlled Close-Packing of Ferrimagnetic Nanoparticles: An Assessment of the Role of Interparticle Superexchange Versus Dipolar Interactions. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 10213-10219 | 3.8 | 56 |
| 73 | Interparticle interactions in magnetic core/shell nanoarchitectures. <i>Physical Review B</i> , 2009 , 80, | 3.3 | 54 |
| 72 | Siliceous Mesocellular Foam-Supported Aza(bisoxazoline)-Copper Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 1295-1308 | 5.6 | 46 |
| 71 | Remanence Plots as a Probe of Spin Disorder in Magnetic Nanoparticles. <i>Chemistry of Materials</i> , 2017 , 29, 8258-8268 | 9.6 | 45 |
| 70 | Targeted Delivery of Bleomycin: A Comprehensive Anticancer Review. <i>Current Cancer Drug Targets</i> , 2016 , 16, 509-21 | 2.8 | 45 |
| 69 | Iterative in situ click chemistry assembles a branched capture agent and allosteric inhibitor for Akt1. <i>Journal of the American Chemical Society</i> , 2011 , 133, 18280-8 | 16.4 | 44 |
| 68 | Magnetic, optical gold nanorods for recyclable photothermal ablation of bacteria. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 981-988 | 7.3 | 42 |
| 67 | Highly Active and Selective Zr/MCF Catalyst for Production of 1,3-Butadiene from Ethanol in a Dual Fixed Bed Reactor System. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 4887-4894 | 8.3 | 42 |
| 66 | Improved Enantioselectivity of Immobilized Chiral Bisoxazolines by Partial Precapping of the Siliceous Mesocellular Foam Support with Trimethylsilyl Groups. <i>Advanced Synthesis and Catalysis</i> , 2006 , 348, 1248-1254 | 5.6 | 39 |
| 65 | Enzymatic conjugation of a bioactive peptide into an injectable hyaluronic acid-tyramine hydrogel system to promote the formation of functional vasculature. <i>Acta Biomaterialia</i> , 2014 , 10, 2539-50 | 10.8 | 38 |
| 64 | Models for the Homogeneous Hydrodesulfurization of Thiophenes: Manganese-Mediated Carbon-Sulfur Bond Cleavage and Hydrogenation Reactions. <i>Organometallics</i> , 1997 , 16, 5688-5695 | 3.8 | 36 |
| 63 | The interplay between single particle anisotropy and interparticle interactions in ensembles of magnetic nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 28634-28643 | 3.6 | 36 |
| 62 | The rational design of a peptide-based hydrogel responsive to H ₂ S. <i>Chemical Communications</i> , 2015 , 51, 17273-6 | 5.8 | 35 |
| 61 | Siliceous mesocellular foam-supported chiral bisoxazoline: Application to asymmetric cyclopropanation. <i>Journal of Molecular Catalysis A</i> , 2006 , 256, 219-224 | | 31 |
| 60 | Effect of surface modification on the reactivity of MCF-supported IndaBOX. <i>Chemical Communications</i> , 2005 , 3577-9 | 5.8 | 31 |
| 59 | In situ click chemistry: from small molecule discovery to synthetic antibodies. <i>Integrative Biology (United Kingdom)</i> , 2013 , 5, 87-95 | 3.7 | 29 |

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|----|---|------|----|
| 58 | Silica-supported catalysts for ring-closing metathesis: effects of linker group and microenvironment on recyclability. <i>Chemical Communications</i> , 2008 , 4312-4 | 5.8 | 28 |
| 57 | Mesocellular Foam-Supported Catalysts: Enhanced Activity and Recyclability for Ring-Closing Metathesis. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 1066-1076 | 5.6 | 28 |
| 56 | Controlled synthesis of transition metal disulfides (MoS ₂ and WS ₂) on carbon fibers: Effects of phase and morphology toward lithium-sulfur battery performance. <i>Applied Materials Today</i> , 2019 , 16, 529-537 | 6.6 | 27 |
| 55 | Synthesis and bioactivity of a conjugate composed of green tea catechins and hyaluronic acid. <i>Polymer Chemistry</i> , 2015 , 6, 4462-4472 | 4.9 | 26 |
| 54 | MCF-supported boronic acids as efficient catalysts for direct amide condensation of carboxylic acids and amines. <i>Chemical Communications</i> , 2014 , 50, 7017-9 | 5.8 | 26 |
| 53 | Size-dependent surface effects in maghemite nanoparticles and its impact on interparticle interactions in dense assemblies. <i>Nanotechnology</i> , 2015 , 26, 475703 | 3.4 | 26 |
| 52 | Magnetic nanoparticles entrapped in siliceous mesocellular foam: a new catalyst support. <i>Chemistry - A European Journal</i> , 2012 , 18, 7394-403 | 4.8 | 25 |
| 51 | Highly selective macrocycle formations by metathesis catalysts fixated in nanopores. <i>Journal of Organic Chemistry</i> , 2013 , 78, 3048-56 | 4.2 | 25 |
| 50 | Tailored chondroitin sulfate glycomimetics a tunable multivalent scaffold for potentiating NGF/TrkA-induced neurogenesis. <i>Chemical Science</i> , 2015 , 6, 450-456 | 9.4 | 24 |
| 49 | Siliceous mesocellular foam for high-performance liquid chromatography: Effect of morphology and pore structure. <i>Journal of Chromatography A</i> , 2010 , 1217, 4337-43 | 4.5 | 23 |
| 48 | Surface Effects Under Visible Irradiation and Heat Treatment on the Phase Stability of Fe ₂ O ₃ Nanoparticles and Fe ₂ O ₃ /BiO ₂ Core-Shell Nanostructures. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 2857-2866 | 3.8 | 21 |
| 47 | Accurate MALDI-TOF/TOF sequencing of one-bead-one-compound peptide libraries with application to the identification of multiligand protein affinity agents using in situ click chemistry screening. <i>Analytical Chemistry</i> , 2010 , 82, 672-9 | 7.8 | 21 |
| 46 | Preparation of Chromium-Manganese Diarene Heterobimetallic Complexes Using a Mn(CO) ₃ ⁺ Transfer Reaction. <i>Organometallics</i> , 1996 , 15, 3664-3669 | 3.8 | 21 |
| 45 | Molecular Swings as Highly Active Ion Transporters. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8034-8038 | 16.4 | 20 |
| 44 | Convenient Synthesis of Mixed Ferrocenes. <i>Organometallics</i> , 1997 , 16, 304-306 | 3.8 | 19 |
| 43 | Recent Advances in Synthesis and Identification of Cyclic Peptides for Bioapplications. <i>Current Topics in Medicinal Chemistry</i> , 2017 , 17, 2302-2318 | 3 | 19 |
| 42 | Nucleophilic addition reactions of [(polyarene)Mn(CO) ₃] ⁺ complexes containing naphthalene type ligands. <i>Inorganica Chimica Acta</i> , 1997 , 262, 213-217 | 2.7 | 17 |
| 41 | Manganese Thiophene Tricarbonyl Complexes: Nucleophilic Addition to Sulfur and Synthesis of Thiophenium Salts. <i>Organometallics</i> , 1997 , 16, 1749-1756 | 3.8 | 16 |

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| 40 | Preparation and reactivity of tricarbonyl(eta.-silatranylarene)manganese cations bearing functional substrates. <i>Organometallics</i> , 1993 , 12, 4640-4645 | 3.8 | 16 |
| 39 | Phase transition in a super superspin glass. <i>Europhysics Letters</i> , 2013 , 102, 67002 | 1.6 | 15 |
| 38 | Synthesis and structure of new diarene-bridged bi- and polymetallic compounds. <i>Inorganica Chimica Acta</i> , 1997 , 261, 37-44 | 2.7 | 15 |
| 37 | Process automation toward ultra-high-throughput screening of combinatorial one-bead-one-compound (OBOC) peptide libraries. <i>Journal of the Association for Laboratory Automation</i> , 2012 , 17, 186-200 | | 14 |
| 36 | Demagnetization effects in dense nanoparticle assemblies. <i>Applied Physics Letters</i> , 2016 , 109, 152404 | 3.4 | 14 |
| 35 | Simultaneous Individual and Dipolar Collective Properties in Binary Assemblies of Magnetic Nanoparticles. <i>Chemistry of Materials</i> , 2020 , 32, 969-981 | 9.6 | 13 |
| 34 | Rapid microwave-assisted CNBr cleavage of bead-bound peptides. <i>ACS Combinatorial Science</i> , 2008 , 10, 807-9 | | 13 |
| 33 | Synthesis of (ferrocenyl-indenyl)cyclopentadienyliron compounds with and without a bridging group via a CpFe transfer reaction. <i>Inorganica Chimica Acta</i> , 1999 , 286, 215-220 | 2.7 | 13 |
| 32 | High-Throughput Screening of Substrate Specificity for Protein Tyrosine Phosphatases (PTPs) on Phosphopeptide Microarrays. <i>Methods in Molecular Biology</i> , 2016 , 1368, 181-96 | 1.4 | 12 |
| 31 | Hydrogenation of (1-phenylthiophene)Mn(CO) ₃ (thiophene=3-methylthiophene and 3,4-dimethylthiophene) complexes: formation of tetrakis(tricarbonyl-phenylthiomanganese). <i>Journal of Organometallic Chemistry</i> , 1999 , 579, 385-390 | 2.3 | 12 |
| 30 | Effects of the individual particle relaxation time on superspin glass dynamics. <i>Physical Review B</i> , 2016 , 93, | 3.3 | 10 |
| 29 | Preparation and properties of ferrocenyl bimetallic compounds for non-linear optics. <i>Inorganica Chimica Acta</i> , 1998 , 279, 243-248 | 2.7 | 10 |
| 28 | Synthesis and reactivity of the (benzothiophene)tricarbonylmanganese cation. <i>Inorganica Chimica Acta</i> , 1996 , 253, 39-45 | 2.7 | 10 |
| 27 | Analogue of Melanotan II (MTII): A Novel Melanotropin with Superpotent Action on Frog Skin. <i>Protein and Peptide Letters</i> , 2015 , 22, 762-6 | 1.9 | 10 |
| 26 | Facile saccharide-free mimetics that recapitulate key features of glycosaminoglycan sulfation patterns. <i>Chemical Science</i> , 2018 , 9, 7940-7947 | 9.4 | 8 |
| 25 | Synthesis of Dimanganese Complexes from the Reduction of Cationic Tricarbonylmanganese Styrene Derivatives. <i>Journal of the American Chemical Society</i> , 1997 , 119, 7711-7715 | 16.4 | 8 |
| 24 | Synthesis of manganese tricarbonyl cationic complexes of ferrocenyl substituted arenes via a manganese tricarbonyl cation transfer reaction. <i>Inorganica Chimica Acta</i> , 1998 , 281, 229-234 | 2.7 | 8 |
| 23 | An efficient strategy to enhance binding affinity and specificity of a known isozyme inhibitor. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 6833-9 | 3.9 | 7 |

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| 22 | Recyclable Photo-Thermal Nano-Aggregates of Magnetic Nanoparticle Conjugated Gold Nanorods for Effective Pathogenic Bacteria Lysis. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 555-61 | 1.3 | 7 |
| 21 | Magnetic properties of nanoparticle compacts with controlled broadening of the particle size distribution. <i>Physical Review B</i> , 2017 , 95, | 3.3 | 7 |
| 20 | Ageing dynamics of a superspin glass. <i>Europhysics Letters</i> , 2014 , 108, 17004 | 1.6 | 7 |
| 19 | Synthesis and electrophilic reactivity of $[\beta\text{-1-N(CH}_2\text{CH}_2\text{O)}_3\text{Si-6-Me-C}_6\text{H}_5\text{)]Mn(CO)}_2\text{NO}]BF_4$. <i>Journal of Organometallic Chemistry</i> , 1994 , 483, 115-122 | 2.3 | 7 |
| 18 | Reactivity of $[(1,2,3,4\text{-tetrahydronaphthalene)Mn(CO)}_3]PF_6$: molecular structure of $[(1,2,3,4\text{-tetrahydronaphthalene)Mn(CO)}_2\text{(C(O)Me)}]$. <i>Journal of Organometallic Chemistry</i> , 1995 , 486, 141-145 | 2.3 | 6 |
| 17 | Organic Chemistry Tool for Nanoparticles Monofunctionalization and Their Biomedical Applications. <i>Current Organic Chemistry</i> , 2016 , 20, 1786-1796 | 1.7 | 6 |
| 16 | Integration of Novel Materials and Advanced Genomic Technologies into New Vaccine Design. <i>Current Topics in Medicinal Chemistry</i> , 2017 , 17, 2286-2301 | 3 | 6 |
| 15 | On the detection of surface spin freezing in iron oxide nanoparticles and its long-term evolution under ambient oxidation. <i>Nanotechnology</i> , 2021 , 32, 065704 | 3.4 | 6 |
| 14 | Particle size-dependent superspin glass behavior in random compacts of monodisperse maghemite nanoparticles. <i>Materials Research Express</i> , 2016 , 3, 045015 | 1.7 | 6 |
| 13 | Spherical siliceous mesocellular foam particles for high-speed size exclusion chromatography. <i>Studies in Surface Science and Catalysis</i> , 2007 , 829-832 | 1.8 | 5 |
| 12 | Preparation and Reactivity of $[\beta\text{-CH}_3\text{-}\beta\text{-2-sil-C}_6\text{H}_4\text{)]Fe(CO)}_3]BF_4$ (sil = Si(OCH ₂ CH ₂) ₃ N). <i>Organometallics</i> , 1996 , 15, 5428-5431 | 3.8 | 5 |
| 11 | Peptide-Peptide Co-Assembly: A Design Strategy for Functional Detection of C-peptide, A Biomarker of Diabetic Neuropathy. <i>International Journal of Molecular Sciences</i> , 2020 , 21, | 6.3 | 5 |
| 10 | Elucidating pH-dependent collagen triple helix formation through interstrand hydroxyproline-glutamic acid interactions. <i>ChemBioChem</i> , 2015 , 16, 407-10 | 3.8 | 4 |
| 9 | Investigating fluorescent dyes in fluorescence-assisted screenings. <i>Chemical Communications</i> , 2014 , 50, 15220-3 | 5.8 | 4 |
| 8 | Size effects on the magnetic behavior of $\gamma\text{-Fe}_2\text{O}_3$ core/SiO ₂ shell nanoparticle assemblies. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 522, 167570 | 2.8 | 4 |
| 7 | Role of grafted alkoxybenzylidene ligand in silica-supported Hoveyda-Grubbs-type catalysts. <i>Chemical Communications</i> , 2015 , 51, 1042-5 | 5.8 | 3 |
| 6 | Combinatorial bead-based peptide libraries improved for rapid and robust screenings. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2014 , 17, 520-30 | 1.3 | 3 |
| 5 | Ideal superspin glass behaviour in a random-close-packed ensemble of maghemite nanoparticles. <i>Journal of Physics: Conference Series</i> , 2014 , 521, 012011 | 0.3 | 2 |

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| 4 | A Versatile Microarray Immobilization Strategy Based on a Biorthogonal Reaction Between Tetrazine and Trans-Cyclooctene. <i>Methods in Molecular Biology</i> , 2017 , 1518, 67-80 | 1.4 | 2 |
| 3 | Effects of incorporation of azido moieties into the hydrophobic core of coiled coil peptides. <i>Chemical Communications</i> , 2015 , 51, 3793-6 | 5.8 | 1 |
| 2 | Super spin dimensionality of a mono-dispersed and densely packed magnetic nanoparticle system. <i>Journal of Physics: Conference Series</i> , 2014 , 521, 012012 | 0.3 | 1 |
| 1 | Directing GDNF-mediated neuronal signaling with proactively programmable cell-surface saccharide-free glycosaminoglycan mimetics. <i>Chemical Communications</i> , 2019 , 55, 1259-1262 | 5.8 | |