Young Jun Park

List of Publications by Year
in descending order

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50 papers	4,620 citations	172386 29 h-index	175177 52 g-index
58 all docs	58 docs citations	58 times ranked	6552 citing authors

#	Article	IF	Citations
1	Metalâ˜'Organic Cooperative Catalysis in Câ˜'H and Câ˜'C Bond Activation and Its Concurrent Recovery. Accounts of Chemical Research, 2008, 41, 222-234.	7.6	890
2	Porous PVDF As Effective Sonic Wave Driven Nanogenerators. Nano Letters, 2011, 11, 5142-5147.	4.5	339
3	Selective dispersion of high purity semiconducting single-walled carbon nanotubes with regioregular poly(3-alkylthiophene)s. Nature Communications, 2011, 2, 541.	5.8	333
4	Soundâ€Driven Piezoelectric Nanowireâ€Based Nanogenerators. Advanced Materials, 2010, 22, 4726-4730.	11.1	305
5	Boosting Powerâ€Generating Performance of Triboelectric Nanogenerators via Artificial Control of Ferroelectric Polarization and Dielectric Properties. Advanced Energy Materials, 2017, 7, 1600988.	10.2	282
6	Singleâ€Fiberâ€Based Hybridization of Energy Converters and Storage Units Using Graphene as Electrodes. Advanced Materials, 2011, 23, 3446-3449.	11.1	256
7	Superâ€Flexible Nanogenerator for Energy Harvesting from Gentle Wind and as an Active Deformation Sensor. Advanced Functional Materials, 2013, 23, 2445-2449.	7.8	232
8	Enhancement of the efficiency of dye-sensitized solar cell by utilizing carbon nanotube counter electrode. Scripta Materialia, 2010, 62, 148-150.	2.6	198
9	A Mononuclear Non-Heme Manganese(IV)â€“Oxo Complex Binding Redox-Inactive Metal Ions. Journal of the American Chemical Society, 2013, 135, 6388-6391.	6.6	182
10	The Effects of Redox-Inactive Metal Ions on the Activation of Dioxygen: Isolation and Characterization of a Heterobimetallic Complex Containing a Mn^{III}â€“(Î¼-OH)â€“Ca^{II} Core. Journal of the American Chemical Society, 2011, 133, 9258-9261.	6.6	164
11	Significant Enhancement of Infrared Photodetector Sensitivity Using a Semiconducting Singleâ€Walled Carbon Nanotube/C₆₀ Phototransistor. Advanced Materials, 2015, 27, 759-765.	11.1	133
12	Engineering of efficiency limiting free carriers and an interfacial energy barrier for an enhancing piezoelectric generation. Energy and Environmental Science, 2013, 6, 97-104.	15.6	119
13	A Manganese(V)â€“Oxo Complex: Synthesis by Dioxygen Activation and Enhancement of Its Oxidizing Power by Binding Scandium Ion. Journal of the American Chemical Society, 2016, 138, 8523-8532.	6.6	118
14	Heterobimetallic complexes with M^{III}-(Î¼-OH)-M^{II}cores (M^{III}= Fe, Mn,) Tj ETQq0 0 0 rgBT /Overlo 717-726.	3.7	86
15	Assembly and Properties of Heterobimetallic Co^{II/III}/Ca^{II} Complexes with Aquo and Hydroxo Ligands. Journal of the American Chemical Society, 2012, 134, 17526-17535.	6.6	83
16	Post-grafting of silica surfaces with pre-functionalized organosilanes: new synthetic equivalents of conventional trialkoxysilanes. Chemical Communications, 2011, 47, 4860.	2.2	81
17	Enhancement of piezoelectricity via electrostatic effects on a textile platform. Energy and Environmental Science, 2012, 5, 8932.	15.6	74
18	Highly Effective Separation of Semiconducting Carbon Nanotubes verified via Short-Channel Devices Fabricated Using Dip-Pen Nanolithography. ACS Nano, 2012, 6, 2487-2496.	7.3	61

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19	Kinetic resolution of (Â±)-2,3-dihydro-3-methyl-4H-1,4-benzoxazines with (S)-naproxen. Tetrahedron: Asymmetry, 1999, 10, 2691-2702.	1.8	55
20	Mechanistic Insights into the Câ€“H Bond Activation of Hydrocarbons by Chromium(IV) Oxo and Chromium(III) Superoxo Complexes. Inorganic Chemistry, 2014, 53, 645-652.	1.9	52
21	Spectroscopic Characterization and Reactivity Studies of a Mononuclear Nonheme Mn(III)â€“Hydroperoxo Complex. Journal of the American Chemical Society, 2014, 136, 12229-12232.	6.6	49
22	Chelation-Assisted Hydrative Dimerization of 1-Alkyne Forming Î±,Î²-Enones by an Rh(I) Catalyst. Journal of the American Chemical Society, 2004, 126, 13892-13893.	6.6	45
23	Ruthenium-catalyzed coupling of aldimines with arylboronates: new synthetic method for aromatic ketones. Chemical Communications, 2005, , 1185.	2.2	42
24	Reactions of Co(III)â€“Nitrosyl Complexes with Superoxide and Their Mechanistic Insights. Journal of the American Chemical Society, 2015, 137, 4284-4287.	6.6	38
25	Hybrid energy harvester based on nanopillar solar cells and PVDF nanogenerator. Nanotechnology, 2013, 24, 175402.	1.3	37
26	Factors That Control the Reactivity of Cobalt(III)â€“Nitrosyl Complexes in Nitric Oxide Transfer and Dioxygenation Reactions: A Combined Experimental and Theoretical Investigation. Journal of the American Chemical Society, 2016, 138, 7753-7762.	6.6	36
27	Carbon nanotube field emitter arrays having an electron beam focusing structure. Applied Physics Letters, 2004, 84, 1022-1024.	1.5	35
28	Surface energy-mediated construction of anisotropic semiconductor wires with selective crystallographic polarity. Scientific Reports, 2014, 4, 5680.	1.6	35
29	Recyclable Self-Assembly-Supported Catalytic System for Orthoalkylation. Organic Letters, 2005, 7, 2889-2892.	2.4	32
30	Synthesis, structure, and physical properties for a series of trigonal bipyramidal MIIâ€“Cl complexes with intramolecular hydrogen bonds. Dalton Transactions, 2012, 41, 4358.	1.6	27
31	Utilizing tautomerization of 2-amino-oxazoline in hydrogen bonding tripodal ligands. Chemical Communications, 2010, 46, 2584.	2.2	24
32	Tuning the Reactivity of Chromium(III)-Superoxo Species by Coordinating Axial Ligands. Inorganic Chemistry, 2015, 54, 10513-10520.	1.9	21
33	Facile direct Î±-oximation of ketones using t-butyl thionitrate. Tetrahedron Letters, 1989, 30, 2833-2836.	0.7	19
34	A Self-Complementary Assembly of Metallamacrocycles Directed by Ruï£¿Clâ‹…â‹…â‹…Hï£¿N Hydrogen Bonds and Its Reversible Dichotomy by Halide Anions in Solution. Angewandte Chemie - International Edition, 2006, 45, 4290-4294.	7.2	19
35	Toward wearable and stretchable fabric-based supercapacitors: novel ZnO and SnO2 nanowiresâ€”carbon fibre and carbon paper hybrid structure. Journal of Solid State Electrochemistry, 2015, 19, 211-219.	1.2	18
36	Application of similarity theory to load capacity of gearboxes. Journal of Mechanical Science and Technology, 2014, 28, 3033-3040.	0.7	17

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37	The effects of non-torque loads on a three-point suspension gearbox for wind turbines. International Journal of Energy Research, 2016, 40, 618-631.	2.2	12
38	Observation of orientation-dependent photovoltaic behaviors in aligned organic nanowires. Applied Physics Letters, 2013, 103, .	1.5	8
39	Synthesis of Highly Crystalline Multiwalled Carbon Nanotubes by Thermal Chemical Vapor Deposition Using Buffer Gases. Japanese Journal of Applied Physics, 2004, 43, 3631-3635.	0.8	6
40	Facile reductive deamination of arylamines using a new arenesulfonyl nitrite. Heteroatom Chemistry, 1993, 4, 259-262.	0.4	5
41	A novel simple dethioacetalization of thioacetals and thioketals witht-butyl thionitrite. Heteroatom Chemistry, 1990, 1, 237-240.	0.4	4
42	The Study on Assessment of Protective Capacity of the Reinforced Concrete Box-type Artillery Positions. Journal of the Korea Institute of Military Science and Technology, 2014, 17, 275-281.	0.1	2
43	Reinforcing Method for the Protective Capacities of Dispersal and Combat Facilities using Logistic Regression. Journal of the Korea Institute of Building Construction, 2016, 16, 77-85.	0.1	2
44	Fabrication of vertically aligned ZnO nanocone arrays by wet chemical etching on various substrates and enhanced photoluminescence emission from nanocone arrays compared to nanowire arrays. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 2662-2667.	0.8	1
45	Stochastic dozer productivity estimation method. KSCE Journal of Civil Engineering, 2017, 21, 1573-1580.	0.9	1
46	Stable carbamate pathway towards organicâ€“inorganic hybrid perovskites and aromatic imines. RSC Advances, 2020, 10, 38055-38062.	1.7	1
47	A Study on the Protective Capacity of Military Shelters in the Contact Areas. Journal of the Korea Institute of Military Science and Technology, 2015, 18, 402-408.	0.1	1
48	Chelation-Assisted Hydrative Dimerization of 1-Alkyne Forming ?,?-Enones by an Rh(I) Catalyst.. ChemInform, 2005, 36, no.	0.1	0
49	Highly Efficient Oneâ€Pot Solventâ€Free Synthesis of 2,5â€Disubstitutedâ€1,3,4â€Oxadiazole via <scp>BTI</scp>â€mediated Oxidation of Nâ€Acylhydrazone from Hydrazide and Aldehyde. Bulletin of the Korean Chemical Society, 2017, 38, 723-727.	1.0	0
50	Suggestion on the Prototype of the Korean Barriers through the Investigation and Modeling of RC Protective Installments in Contact Areas. Journal of the Korea Institute of Building Construction, 2016, 16, 341-348.	0.1	0