

B Moon Kim

List of Publications by Year in descending order

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71
papers

1,448
citations

361413

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361022

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72
times ranked

2142
citing authors

#	ARTICLE	IF	CITATIONS
1	Simple synthesis of Pd@Fe ₃ O ₄ heterodimer nanocrystals and their application as a magnetically recyclable catalyst for Suzuki cross-coupling reactions. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2512.	2.8	126
2	Simple one-pot synthesis of Rh@Fe ₃ O ₄ heterodimer nanocrystals and their applications to a magnetically recyclable catalyst for efficient and selective reduction of nitroarenes and alkenes. <i>Chemical Communications</i> , 2011, 47, 3601.	4.1	112
3	Fe ₃ O ₄ Nanoparticles: A Conveniently Reusable Catalyst for the Reduction of Nitroarenes Using Hydrazine Hydrate. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1921-1925.	3.3	80
4	Heterogenized Bimetallic Pd@Pt@Fe ₃ O ₄ Nanoflakes as Extremely Robust, Magnetically Recyclable Catalysts for Chemoselective Nitroarene Reduction. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 14637-14647.	8.0	72
5	Heck and Sonogashira cross-coupling reactions using recyclable Pd@Fe ₃ O ₄ heterodimeric nanocrystal catalysts. <i>Tetrahedron Letters</i> , 2013, 54, 5192-5196.	1.4	68
6	Direct catalytic C-H arylation of imidazo[1,2-a]pyridine with aryl bromides using magnetically recyclable Pd@Fe ₃ O ₄ nanoparticles. <i>Tetrahedron</i> , 2013, 69, 5660-5664.	1.9	65
7	Synthesis of Arenesulfonyl Fluorides via Sulfuryl Fluoride Incorporation from Arynes. <i>Organic Letters</i> , 2019, 21, 428-433.	4.6	52
8	New bicyclic brominated furanones as potent autoinducer-2 quorum-sensing inhibitors against bacterial biofilm formation. <i>European Journal of Medicinal Chemistry</i> , 2017, 137, 76-87.	5.5	47
9	AuPd@Fe ₃ O ₄ Nanoparticle Catalysts for Highly Selective, One-Pot Cascade Nitroreduction and Reductive Amination. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1253-1261.	4.3	47
10	Efficient chemoselective reduction of nitro compounds and olefins using Pd@Pt bimetallic nanoparticles on functionalized multi-wall-carbon nanotubes. <i>Catalysis Communications</i> , 2014, 45, 25-29.	3.3	40
11	Chemoselective Tyrosine Bioconjugation through Sulfate Click Reaction. <i>Chemistry - A European Journal</i> , 2018, 24, 10948-10952.	3.3	34
12	Highly selective Wacker oxidation of terminal olefins using magnetically recyclable Pd@Fe ₃ O ₄ heterodimer nanocrystals. <i>RSC Advances</i> , 2013, 3, 16296.	3.6	32
13	Recyclable palladium-graphene nanocomposite catalysts containing ionic polymers: efficient Suzuki coupling reactions. <i>RSC Advances</i> , 2017, 7, 11684-11690.	3.6	31
14	Synthesis of benzil derivatives via oxidation of alkynes catalyzed by Pd@Fe ₃ O ₄ heterodimer nanocrystals. <i>RSC Advances</i> , 2014, 4, 34084-34088.	3.6	30
15	AuPd@Fe ₃ O ₄ Nanoparticle-Catalyzed Synthesis of Furan-2,5-dimethylcarboxylate from 5-Hydroxymethylfurfural under Mild Conditions. <i>ChemSusChem</i> , 2019, 12, 2310-2317.	6.8	30
16	Ibulocidine Is a Novel Prodrug Cdk Inhibitor That Effectively Induces Apoptosis in Hepatocellular Carcinoma Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 19662-19671.	3.4	27
17	Potent Hepatitis C Virus NS5A Inhibitors Containing a Benzidine Core. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 255-258.	2.8	27
18	Studies on the functionalization of MWNTs and their application as a recyclable catalyst for C-C bond coupling reactions. <i>Catalysis Communications</i> , 2014, 46, 71-74.	3.3	25

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19	Cyclic peptide ligand with high binding capacity for affinity purification of immunoglobulin G. <i>Journal of Chromatography A</i> , 2016, 1466, 105-112.	3.7	22
20	Pd(PPh ₃) ₄ -Catalyzed Buchwald-Hartwig Amination of Aryl Fluorosulfonates with Aryl Amines. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1222-1225.	2.7	22
21	New chiral heterogeneous catalysts based on mesoporous silica: asymmetric diethylzinc addition to benzaldehyde. <i>Chemical Communications</i> , 2000, , 31-32.	4.1	21
22	Liquid crystal nanoparticle formulation as an oral drug delivery system for liver-specific distribution. <i>International Journal of Nanomedicine</i> , 2016, 11, 853.	6.7	20
23	Mechanistic Studies of Magnetically Recyclable Pd ₂ Fe ₃ O ₄ Heterodimeric Nanocrystal-Catalyzed Organic Reactions. <i>Chemistry - an Asian Journal</i> , 2015, 10, 982-988.	3.3	18
24	Bismuth Sulfonate Immobilized on Silica Gel for Allylation of Aldehydes and Synthesis of Homoallylic Amines. <i>Catalysis Letters</i> , 2004, 96, 201-204.	2.6	17
25	Novel benzidine and diamino fluorene prolinamide derivatives as potent hepatitis C virus NS5A inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2015, 101, 163-178.	5.5	17
26	Efficient Synthesis of Indole Derivatives via Tandem Cyclization Catalyzed by Magnetically Recoverable Palladium/Magnetite (Pd ₃ O ₄) Nanocrystals. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 470-476.	2.7	16
27	Simple reversible fixation of a magnetic catalyst in a continuous flow system: ultrafast reduction of nitroarenes and subsequent reductive amination using ammonia borane. <i>Catalysis Science and Technology</i> , 2020, 10, 944-949.	4.1	15
28	AI-Egen-based nanoprobe for the ATP sensing and imaging in cancer cells and embryonic stem cells. <i>Analytica Chimica Acta</i> , 2021, 1152, 338269.	5.4	15
29	A salt stress-activated mitogen-activated protein kinase in soybean is regulated by phosphatidic acid in early stages of the stress response. <i>Journal of Plant Biology</i> , 2012, 55, 303-309.	2.1	14
30	Peptidoglycan reshaping by a noncanonical peptidase for helical cell shape in <i>Campylobacter jejuni</i> . <i>Nature Communications</i> , 2020, 11, 458.	12.8	14
31	Ibuprofen sensitizes human hepatocellular carcinoma cells to TRAIL-induced apoptosis via calpain-mediated Bax cleavage. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 83, 47-55.	2.8	13
32	Asymmetric Protonation of Ketone Enolates Using Chiral ¹² C-Hydroxyethers: Acidity-Tuned Enantioselectivity. <i>Journal of Organic Chemistry</i> , 2004, 69, 5104-5107.	3.2	12
33	Ibuprofen sensitizes human cancers to radiotherapy by induction of mitochondria-mediated apoptosis. <i>Radiotherapy and Oncology</i> , 2014, 112, 295-301.	0.6	12
34	Arylsilylation of aryl halides using the magnetically recyclable bimetallic Pd ₃ O ₄ catalyst. <i>Chemical Communications</i> , 2018, 54, 3492-3495.	4.1	12
35	High Stability of a Donor-Acceptor Type Oxazepine-Containing Fluorophore and Its Applications in Cellular Imaging and Two-Photon Deep Tissue Imaging. <i>Organic Letters</i> , 2019, 21, 3891-3894.	4.6	12
36	One-pot, chemoselective synthesis of secondary amines from aryl nitriles using a Pd ₃ O ₄ nanoparticle catalyst. <i>Catalysis Science and Technology</i> , 2020, 10, 4201-4209.	4.1	12

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37	Human Glioblastoma Visualization: Triple Receptor-Targeting Fluorescent Complex of Dye, SIWV Tetra-Peptide, and Serum Albumin Protein. <i>ACS Sensors</i> , 2021, 6, 2270-2280.	7.8	12
38	Structure-Based <i>De Novo</i> Design of <i>Mycobacterium Tuberculosis</i> VapC-Activating Stapled Peptides. <i>ACS Chemical Biology</i> , 2020, 15, 2493-2498.	3.4	11
39	Magnetically recyclable Pd ₃ O ₄ heterodimer nanocrystals for the synthesis of conjugated polymers via Suzuki polycondensation: Toward green chemistry. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1525-1528.	2.3	10
40	A Novel Chemoentrapment Approach for Supportless Recycling of a Catalyst: Catalytic Asymmetric Dihydroxylation. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 1021-1024.	4.3	9
41	Stereospecific Synthesis of β,γ-Diamino Esters. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 725-730.	2.4	9
42	Efficient dermal delivery of retinyl palmitate: Progressive polarimetry and Raman spectroscopy to evaluate the structure and efficacy. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 78, 111-120.	4.0	9
43	Synthesis toward CRHR1 Antagonists through 2,7-Dimethylpyrazolo[1,5- <i>b</i>][1,3,5]triazin-4(3 <i>H</i>)-one C-H Arylation. <i>Journal of Organic Chemistry</i> , 2015, 80, 4716-4721.	3.2	9
44	Sulfur(VI) fluoride exchange as a key reaction for synthesizing biaryl sulfate core derivatives as potent hepatitis C virus NS5A inhibitors and their structure-activity relationship studies. <i>RSC Advances</i> , 2018, 8, 31803-31821.	3.6	9
45	Synthesis of β-Aminophosphonates via Phosphonylation of an Aryne-Imine Adduct. <i>Journal of Organic Chemistry</i> , 2020, 85, 13246-13255.	3.2	9
46	Structure and photoluminescence studies of CeO ₂ -CuAlO ₂ mixed metal oxide fabricated by co-precipitation method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 466-471.	3.9	8
47	Magnetic Pd ₃ O ₄ Heterodimer Nanocrystals as Recoverable Catalysts for Ligand-Free Miyaura Cross-Coupling Reactions. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 1992-1997.	1.9	8
48	New potent biaryl sulfate-based hepatitis C virus inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2017, 125, 87-100.	5.5	8
49	Development of selective inhibitors for the treatment of rheumatoid arthritis: (R)-3-(3-(Methyl(7H-pyrrolo[2,3-d]pyrimidin-4-yl)amino)pyrrolidin-1-yl)-3-oxopropanenitrile as a JAK1-selective inhibitor. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 1495-1510.	3.0	8
50	Oxidative N-Formylation of Secondary Amines Catalyzed by Reusable Bimetallic AuPd-Fe ₃ O ₄ Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 2101.	4.1	8
51	Bimetallic PdRh-Fe ₃ O ₄ nanoparticle-catalyzed highly selective quinoline hydrogenation using ammonia borane. <i>Applied Catalysis A: General</i> , 2022, 642, 118709.	4.3	8
52	Selectivity between N-1 and N-7 nucleosides: regioselective synthesis of BMK-Y101, a potent cdk7 and 9 inhibitor. <i>Tetrahedron Letters</i> , 2013, 54, 5484-5488.	1.4	7
53	IgG Fc-binding peptide (FcBP)-tat conjugate as a smart antibody carrier into live cells. <i>Macromolecular Research</i> , 2015, 23, 876-881.	2.4	7
54	A Novel Design Strategy for Suppressing Efficiency Roll-Off of Blue Thermally Activated Delayed Fluorescence Molecules through Donor-Acceptor Interlocking by C-C Bonds. <i>Nanomaterials</i> , 2019, 9, 1735.	4.1	7

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55	Toxin-Activating Stapled Peptides Discovered by Structural Analysis Were Identified as New Therapeutic Candidates That Trigger Antibacterial Activity against Mycobacterium tuberculosis in the Mycobacterium smegmatis Model. <i>Microorganisms</i> , 2021, 9, 568.	3.6	7
56	Sulfur(VI) Fluoride Exchange (SuFEx)-Mediated Synthesis of the Chitosan-PEG Conjugate and Its Supramolecular Hydrogels for Protein Delivery. <i>Nanomaterials</i> , 2021, 11, 318.	4.1	7
57	New Synthetic Approach to Optically Activate Matsutakeol, the Major Flavor Component of <i>Tricholoma matsutake</i> , from Tartaric Acid. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 1910-1911.	1.9	6
58	Visualizing mitochondria and mouse intestine with a fluorescent complex of a naphthalene-based dipolar dye and serum albumin. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7642-7651.	5.8	6
59	Enhanced Osteogenesis of Dental Pulp Stem Cells In Vitro Induced by Chitosan-PEG-Incorporated Calcium Phosphate Cement. <i>Polymers</i> , 2021, 13, 2252.	4.5	6
60	Liposomal-Encapsulated Near-Infrared Fluorophore Based on Extended Dipolar Naphthalene Platform and Its Imaging Applications in Human Cancer Cells. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 115-118.	1.9	6
61	A bimetallic PdCu ₃ O ₄ catalyst with an optimal d-band centre for selective N-methylation of aromatic amines with methanol. <i>Catalysis Science and Technology</i> , 2022, 12, 3524-3533.	4.1	6
62	Design, synthesis and evaluation of (R)-3-(7-(methyl(7H-pyrrolo[2,3-d]pyrimidin-4-yl)amino)-5-azaspiro[2.4]heptan-5-yl)-3-oxopropanenitrile as a JAK1-selective inhibitor. <i>MedChemComm</i> , 2018, 9, 477-489.	3.4	5
63	SuFEx-Click Approach for the Synthesis of Soluble Polymer-Bound MacMillan Catalysts for the Asymmetric Diels-Alder Reaction. <i>Catalysts</i> , 2021, 11, 1044.	3.5	3
64	Enantioselective Synthesis of Chiral Pyrrolidine-fused Piperazine Derivatives via Diazo-Cope Rearrangement. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 1365-1367.	1.9	2
65	Raman spectroscopy and density functional theory study of energetically closely separated C ₂ -endo and C ₃ -endo pentose forms in purine nucleoside analogue drug-conjugates. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 424-430.	1.5	2
66	Structure-activity relationships of fluorene compounds inhibiting HCV variants. <i>Antiviral Research</i> , 2020, 174, 104678.	4.1	2
67	Articulated Structures of D-A Type Dipolar Dye with AIEgen: Synthesis, Photophysical Properties, and Applications. <i>Materials</i> , 2020, 13, 1939.	2.9	2
68	Structure-activity relationship (SAR) studies on the mutagenic properties of 2,7-diaminofluorene and 2,7-diaminocarbazole derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 31, 127662.	2.2	1
69	Reduction of imines with a reusable bimetallic PdCo-Fe ₃ O ₄ catalyst at room temperature under atmospheric pressure of H ₂ . <i>RSC Advances</i> , 2022, 12, 2436-2442.	3.6	1
70	Structure-based inhibitor design for reshaping bacterial morphology. <i>Communications Biology</i> , 2022, 5, 395.	4.4	1
71	Frontispiece: Chemoselective Tyrosine Bioconjugation through Sulfate Click Reaction. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0