

Jinkwon Kim

List of Publications by Year in descending order

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45
papers

1,643
citations

304743

22
h-index

276875

41
g-index

47
all docs

47
docs citations

47
times ranked

2914
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced upconversion luminescence in NaGdF ₄ :Yb,Er nanocrystals by Fe ³⁺ doping and their application in bioimaging. <i>Nanoscale</i> , 2013, 5, 8711.	5.6	215
2	Effects of TiO ₂ shells on optical and thermal properties of silver nanowires. <i>Journal of Materials Chemistry</i> , 2012, 22, 11651.	6.7	122
3	Weak Ferromagnetism in a Three-Dimensional Manganese(II) Azido Complex, [Mn(4,4'-bipy)(N ₃) ₂] _n (bipy =) <i>TJ ETOq1 1 0,784314</i>	4.0	114
4	Phase controlled synthesis of SnSe and SnSe ₂ hierarchical nanostructures made of single crystalline ultrathin nanosheets. <i>CrystEngComm</i> , 2015, 17, 807-813.	2.6	108
5	Upconversion nanophosphors for solar cell applications. <i>RSC Advances</i> , 2014, 4, 34873-34895.	3.6	103
6	Use of urchin-like Ni _x Co _{3-x} O ₄ hierarchical nanostructures based on non-precious metals as bifunctional electrocatalysts for anion-exchange membrane alkaline alcohol fuel cells. <i>Nanoscale</i> , 2014, 6, 9665-9672.	5.6	83
7	Combined plasmonic and upconversion rear reflectors for efficient dye-sensitized solar cells. <i>Chemical Communications</i> , 2014, 50, 879-881.	4.1	78
8	Cyano-Bridged Hexanuclear Fe ₄ M ₂ (M = Ni, Co, Mn) Clusters: A Spin-Canted Antiferromagnetic Ordering of Fe ₄ Ni ₂ Cluster. <i>Inorganic Chemistry</i> , 2005, 44, 6983-6988.	4.0	64
9	Synthesis of a cyano-bridged Fe ₂ Mn linear unit and a Fe ₂ Mn ₂ square unit by using the [fac-Fe{HB(pz) ₃ }(CN) ₃] ⁺ building block. <i>Polyhedron</i> , 2004, 23, 1333-1339.	2.2	59
10	Multi-shelled CoS ₂ @MoS ₂ hollow spheres as efficient bifunctional electrocatalysts for overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 13290-13299.	7.1	54
11	Hierarchical Nanoboxes Composed of Co ₉ S ₈ @MoS ₂ Nanosheets as Efficient Electrocatalysts for the Hydrogen Evolution Reaction. <i>Chemistry - an Asian Journal</i> , 2018, 13, 413-420.	3.3	47
12	CoP Embedded in Hierarchical N-Doped Carbon Nanotube Frameworks as Efficient Catalysts for the Hydrogen Evolution Reaction. <i>ChemElectroChem</i> , 2018, 5, 1644-1651.	3.4	46
13	Hexagonal nanoplatelets of CuSe synthesized through facile solution phase reaction. <i>Materials Research Bulletin</i> , 2011, 46, 340-344.	5.2	43
14	Highly efficient dye-sensitized solar cells based on HfO ₂ modified TiO ₂ electrodes. <i>Materials Research Bulletin</i> , 2013, 48, 79-83.	5.2	42
15	Hierarchical Ni _{3.5} Co _{5.5} S ₈ nanosheet-assembled hollow nanocages: Superior electrocatalyst towards oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 5985-5992.	7.1	36
16	A general approach for synthesis of functional metal oxide nanotubes and their application in dye-sensitized solar cells. <i>RSC Advances</i> , 2014, 4, 2858-2864.	3.6	34
17	Dopant induced diameter tuning of Mn-doped CdTe nanorods in aqueous solution. <i>CrystEngComm</i> , 2013, 15, 2061-2066.	2.6	30
18	Co ₂ /Fe-CoP ₂ yolk-shell nanoboxes as efficient electrocatalysts for the oxygen evolution reaction. <i>Nanoscale</i> , 2021, 13, 4569-4575.	5.6	29

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19	A Novel One-Dimensional Chain Complex Composed of Oxo-Centered Trinuclear Manganese Clusters. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 2563-2566.	2.0	28
20	Syntheses, characterization and molecular structures of novel Ru(ii), Rh(iii) and Ir(iii) complexes and their possible roles as antitumour and cytotoxic agents. <i>New Journal of Chemistry</i> , 2013, 37, 2573.	2.8	27
21	Reductive coupling of trinuclear [MnIIIMnIII ₂ O] core to form hexanuclear [Mn ₄ IIIMn ₂ III ₂ O ₂] cluster. <i>Inorganic Chemistry Communication</i> , 2004, 7, 122-124.	3.9	24
22	Bandgap tunable colloidal Cu-based ternary and quaternary chalcogenide nanosheets via partial cation exchange. <i>Nanoscale</i> , 2016, 8, 7906-7913.	5.6	24
23	Single molecule magnet: Heterodinuclear cyano-bridged cubic cluster [(Tp) ₈ Fe ₄ Ni ₄ (CN) ₁₂] (Tp=hydrotris(1-pyrazolyl)borate). <i>Inorganica Chimica Acta</i> , 2007, 360, 2647-2652.	2.4	23
24	Voltammetric nonenzymatic sensing of glucose by using a porous nanohybrid composed of CuS@SiO ₂ spheres and polypyrrole. <i>Mikrochimica Acta</i> , 2020, 187, 260.	5.0	22
25	Crystal structure and magnetic properties of dicarboxylate-bridged linear chain Mn(II) complexes. <i>Polyhedron</i> , 2001, 20, 1947-1951.	2.2	20
26	Molecular Structures and Magnetism of Mn ₁₂ Nanomagnets Containing the 3-Thiophenecarboxylate Ligand. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 711-717.	2.0	19
27	Facile and fast synthesis of flower-like ZnO nanostructures. <i>Materials Letters</i> , 2013, 93, 52-55.	2.6	19
28	Reactive-template fabrication of porous NiO nanowires for electrocatalytic O ₂ evolution reaction. <i>RSC Advances</i> , 2015, 5, 33269-33274.	3.6	19
29	Atomic Force Microscopy Study of Mn ₁₂ O ₁₂ (O ₂ CC ₄ H ₃ S) ₁₆ (H ₂ O) ₄ Single-Molecule Magnet Adsorbed on Au Surface. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 8273-8277.	1.5	18
30	NiSe ₂ @FeSe Double-Shelled Hollow Polyhedrons as Superior Electrocatalysts for the Oxygen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2021, 4, 12998-13005.	5.1	15
31	Wurtzite Cu ₂ GeS ₃ Nanocrystals: Phase- and Shape-Controlled Colloidal Synthesis. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1468-1473.	3.3	12
32	Syntheses and Molecular Structure of Dinuclear Transition Metal Complexes Bridged by Dipyridylamine Derivative Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011, 637, 1516-1521.	1.2	11
33	Facile hot-injection synthesis of stoichiometric Cu ₂ ZnSnSe ₄ nanocrystals using bis(triethylsilyl) selenide. <i>Dalton Transactions</i> , 2014, 43, 9481-9485.	3.3	11
34	Facile solution routes for the syntheses of GeTe nanocrystals. <i>RSC Advances</i> , 2013, 3, 288-292.	3.6	9
35	Wet-Spinning Fabrication of Flexible Conductive Composite Fibers from Silver Nanowires and Fibroin. <i>Bulletin of the Korean Chemical Society</i> , 2020, 41, 162-169.	1.9	8
36	Syntheses and structural studies of mononuclear arene ruthenium complexes with nitrogen-based chelating ligands. <i>Journal of Coordination Chemistry</i> , 2012, 65, 2523-2534.	2.2	6

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37	trans-Bis(isothiocyanato- $\hat{\rho}$ N)bis(methanol- $\hat{\rho}$ O)bis[2,4,6-tri(4-pyridyl)-1,3,5-triazine- $\hat{\rho}$ N ₂]manganese(II). Acta Crystallographica Section C: Crystal Structure Communications, 2002, 58, m521-m522.	0.4	5
38	One-dimensional supramolecular assembly of an Mn ₁₂ single molecule magnet by ligand interactions. Inorganic Chemistry Communication, 2010, 13, 429-432.	3.9	5
39	FeSe ₂ -CoSe ₂ /CoSe ₂ yolk-shell nanoboxes as superior electrocatalysts for the oxygen evolution reaction. Materials Letters, 2022, 323, 132573.	2.6	5
40	Shape Effect on Electrochemical Energy Storage Performance of Nanosized Copper Germanium Selenide Particles. Bulletin of the Korean Chemical Society, 2021, 42, 641-644.	1.9	3
41	[Bis(2-pyridyl- $\hat{\rho}$ N)amine]chlorido($\hat{\rho}$ -6-hexamethylbenzene)ruthenium(II) hexafluoridophosphate dichloromethane solvate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m548-m548.	0.2	2
42	SYNTHESIS OF NOVEL MANGANESE-BASED SINGLE-MOLECULE NANOMAGNETS. International Journal of Nanoscience, 2002, 01, 455-459.	0.7	1
43	Synthesis of $\langle \text{Sb}_2\text{Te}_3 \rangle$ Hierarchical Nanostructures by Divalent Germanium Ion-assisted Solution Method. Bulletin of the Korean Chemical Society, 2015, 36, 2841-2845.	1.9	0
44	Binding of permanganate anion to pentaammineazidocobalt(III) cation in solution and solid phases: synthesis, characterization, X-ray structure, and genotoxic effects of [Co(NH ₃) ₅ N ₃](MnO ₄) ₂ ·xH ₂ O. Turkish Journal of Chemistry, 2021, 45, 1016-1029.	1.2	0
45	SYNTHESIS OF NOVEL MANGANESE-BASED SINGLE-MOLECULE NANOMAGNETS. , 2003, , .		0