

# Youngku Sohn

## List of Publications by Year in descending order

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199  
papers

5,403  
citations

81743

39  
h-index

118652

62  
g-index

200  
all docs

200  
docs citations

200  
times ranked

7625  
citing authors

#	ARTICLE	IF	CITATIONS
1	In-situ evolution of the NiO nanosheets on 3D-Ni-foam as a self-supported electrode for energy storage device applications. <i>Materials Letters</i> , 2022, 308, 131052.	1.3	3
2	Electrochemical Ce <sup>3+</sup> /Ce <sup>4+</sup> and Eu <sup>2+</sup> /Eu <sup>3+</sup> interconversion, complexation, and electrochemical CO <sub>2</sub> reduction on thio-terpyridyl-derivatized Au electrodes. <i>Applied Surface Science</i> , 2022, 576, 151793.	3.1	7
3	Electrochemical Ce(III)/Ce(IV) interconversion, electrodeposition, and catalytic CO <sub>2</sub> interconversion over terpyridine-modified indium tin oxide electrodes. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 106, 520-536.	2.9	3
4	X-ray micro computed tomography and efficient electrochemical recovery of lanthanides on porous carbon cylinder electrodes. <i>Composites Part B: Engineering</i> , 2022, 231, 109590.	5.9	6
5	Current status, research gaps, and future scope for nanomaterials toward visible light photocatalysis. , 2022, , 569-608.		0
6	Photoelectrochemical CO <sub>2</sub> Reduction Products Over Sandwiched Hybrid Ga <sub>2</sub> O <sub>3</sub> :ZnO/Indium/ZnO Nanorods. <i>Frontiers in Chemistry</i> , 2022, 10, 814766.	1.8	6
7	CO <sub>2</sub> reduction by photocatalytic and photoelectrocatalytic approaches over Eu(III)-ZnGa <sub>2</sub> O <sub>4</sub> nanoparticles and Eu(III)-ZnGa <sub>2</sub> O <sub>4</sub> /ZnO nanorods. <i>Journal of CO<sub>2</sub> Utilization</i> , 2022, 60, 101994.	3.3	16
8	Ignition study of facile spray drying prepared microspheres of nickel coated boron nanoparticles using a shock tube. <i>Journal of Alloys and Compounds</i> , 2022, 910, 164678.	2.8	4
9	Electrochemical Eu(III) behaviours and Eu oxysulfate recovery over terpyridine-functionalized indium tin oxide electrodes. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1175-1188.	3.0	12
10	Photocatalytic CO <sub>2</sub> reduction and hydrogen production over Pt/Zn-embedded $\beta$ -Ga <sub>2</sub> O <sub>3</sub> nanorods. <i>Applied Surface Science</i> , 2021, 536, 147753.	3.1	41
11	Electrodeposition and Characterization of Lanthanide Elements on Carbon Sheets. <i>Coatings</i> , 2021, 11, 100.	1.2	14
12	A highly stable, selective, and high-performance VOC sensor using a SnS <sub>2</sub> nano-lotus structure. <i>Journal of Materials Chemistry C</i> , 2021, 9, 7713-7725.	2.7	34
13	Enhanced Photoluminescence of Electrodeposited Europium Complex on Bare and Terpyridine-Functionalized Porous Si Surfaces. <i>Photochem</i> , 2021, 1, 38-52.	1.3	4
14	Photo-decontamination of chemical warfare dimethyl methylphosphonate, dimethyl phosphite, diethyl methylphosphonate, diethyl phosphite model molecules on Al and oxidized Al foils. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119623.	10.8	6
15	Thermal CO Oxidation and Photocatalytic CO <sub>2</sub> Reduction over Bare and M-Al <sub>2</sub> O <sub>3</sub> (M = Co, Ni, Cu, Rh,) <i>Tj ETQq1 1 0.784314 rgBT /Overl</i>	1.9	12
16	Electrochemical Eu(III)/Eu(II) behaviors and recovery over terpyridyl-derivatized modified indium tin oxide electrode surfaces. <i>Chemical Engineering Journal</i> , 2021, 412, 128717.	6.6	8
17	Electrochemical behaviors and electrodeposited materials of lanthanides (La, Ce, Pr, Nd, Sm, Eu, Gd, Tb,) <i>Tj ETQq1 1 0.784314 rgBT /Overl</i> 27, 102305.	0.9	2
18	Electrochemical Ce(III)/Ce(IV) Redox Behavior and Ce Oxide Nanostructure Recovery over Thio-Terpyridine-Functionalized Au/Carbon Paper Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 27594-27611.	4.0	11

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19	Electrochemistry, Electrodeposition, and Photoluminescence of Eu (III)/Lanthanides (III) on Terpyridine-Functionalized Ti Nanospikes. <i>Metals</i> , 2021, 11, 977.	1.0	2
20	Photocatalytic and Electrocatalytic Properties of Cu-Loaded ZIF-67-Derivatized Bean Sprout-Like Co-TiO <sub>2</sub> /Ti Nanostructures. <i>Nanomaterials</i> , 2021, 11, 1904.	1.9	3
21	Pt-Bi Co-Deposit Shell on Al <sub>2</sub> O <sub>3</sub> Nanoparticle Core: High Performance and Long Durability for Formic Acid Oxidation. <i>Catalysts</i> , 2021, 11, 1049.	1.6	2
22	Pt Deposits on Bi-Modified Pt Electrodes of Nanoparticle and Disk: A Contrasting Behavior of Formic Acid Oxidation. <i>Journal of Electrochemical Science and Technology</i> , 2021, 12, 323-329.	0.9	4
23	Ultraviolet and infrared light decontamination and the secondary pollution products of G-series nerve agent simulant model molecules contaminating TiO <sub>2</sub> /Ti surfaces. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 100, 75-91.	2.9	7
24	Photocatalytic and photoelectrocatalytic properties of Eu(III)-doped perovskite SrTiO <sub>3</sub> nanoparticles with dopant level approaches. <i>Materials Science in Semiconductor Processing</i> , 2021, 132, 105919.	1.9	28
25	Sterilization effects of UV laser irradiation on <i>Bacillus atrophaeus</i> spore viability, structure, and proteins. <i>Analyst</i> , 2021, 146, 7682-7692.	1.7	5
26	Energy Storage and CO <sub>2</sub> Reduction Performances of Co/Co <sub>2</sub> C/C Prepared by an Anaerobic Ethanol Oxidation Reaction Using Sacrificial SnO <sub>2</sub> . <i>Catalysts</i> , 2020, 10, 1116.	1.6	5
27	Photocatalytic CO <sub>2</sub> Reduction and Electrocatalytic H <sub>2</sub> Evolution over Pt(0,II,IV)-Loaded Oxidized Ti Sheets. <i>Nanomaterials</i> , 2020, 10, 1909.	1.9	9
28	Photoelectrochemical and photocatalytic detoxification of Cr(VI) to Cr(III) over terpyridine-derivatized Au nanoparticles on carbon paper and indium-tin-oxide electrodes. <i>Chemical Engineering Journal</i> , 2020, 402, 126266.	6.6	14
29	Electrochemical Recovery and Behaviors of Rare Earth (La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, and Y) Ions. <i>Journal of Electrochemical Science and Technology</i> , 2020, 11, 1049.	1.0	2
30	Co-deposits of Pt and Bi on Au disk toward formic acid oxidation. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 2535-2542.	1.2	3
31	Room temperature electroless Ni-coating on boron particles: Physicochemical and oxidation-resistance properties. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 91, 252-262.	2.9	13
32	Plasmonic Ag-Decorated Few-Layer MoS <sub>2</sub> Nanosheets Vertically Grown on Graphene for Efficient Photoelectrochemical Water Splitting. <i>Nano-Micro Letters</i> , 2020, 12, 172.	14.4	39
33	Pt Deposits on Bi/Pt NP Catalyst for Formic Acid Oxidation: Catalytic Enhancement and Longer Lifetime. <i>Langmuir</i> , 2020, 36, 5359-5368.	1.6	17
34	Electroless deposition of Ni nanoparticles on micron-sized boron carbide particles: Physicochemical and oxidation properties. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 546-555.	1.2	4
35	A novel RGO/N-RGO supercapacitor architecture for a wide voltage window, high energy density and long-life <i>via</i> voltage holding tests. <i>Chemical Communications</i> , 2020, 56, 2893-2896.	2.2	40
36	Photocatalytic CO <sub>2</sub> Reduction and Thermal CO Oxidation to CO <sub>2</sub> over Cu/Ni-loaded TiO <sub>2</sub> Photo and Thermal Catalysts. <i>Applied Science and Convergence Technology</i> , 2020, 29, 36-39.	0.3	1

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37	Electrochemical Cr(VI) Reduction over Terpyridine-Derivatized Ti Sheets. Applied Science and Convergence Technology, 2020, 29, 108-112.	0.3	0
38	Magnetic/catalytic properties and strain induced structural phase transformation from $\gamma$ -FeOOH to porous $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> nanorods. Journal of Alloys and Compounds, 2019, 771, 131-139.	2.8	9
39	Photoluminescence imaging of europium (III)-doped $\gamma$ -Al <sub>2</sub> O <sub>3</sub> nanofiber structures. Luminescence, 2019, 34, 838-845.	1.5	4
40	Plasmonic gold sensitization of ZnO nanowires for solar water splitting. Materials Today Communications, 2019, 21, 100675.	0.9	12
41	Spray drying formation of metal oxide (TiO <sub>2</sub> or SnO <sub>2</sub> ) nanoparticle coated boron particles in the form of microspheres and their physicochemical properties. Journal of Alloys and Compounds, 2019, 810, 151923.	2.8	15
42	Reduced graphene oxide based supercapacitors: Study of self-discharge mechanisms, leakage current and stability via voltage holding tests. Materials Letters, 2019, 253, 250-254.	1.3	17
43	Photoelectrochemical Hydrogen Evolution and CO <sub>2</sub> Reduction over MoS <sub>2</sub> /Si and MoSe <sub>2</sub> /Si Nanostructures by Combined Photoelectrochemical Deposition and Rapid-Thermal Annealing Process. Catalysts, 2019, 9, 494.	1.6	19
44	Electrochemical hydrogen evolution and CO <sub>2</sub> reduction over hierarchical Mo <sub>x</sub> Se <sub>2-x</sub> hybrid nanostructures. Applied Surface Science, 2019, 489, 976-982.	3.1	19
45	Formic acid oxidation on Pt deposit model catalysts on Au: Single-layered Pt deposits, plateau-type Pt deposits, and conical Pt deposits. Electrochimica Acta, 2019, 310, 38-44.	2.6	9
46	Nitrogen-doped reduced graphene oxide as excellent electrode materials for high performance energy storage device applications. Materials Letters, 2019, 245, 192-195.	1.3	7
47	ZnO-TiO <sub>2</sub> core-shell nanowires decorated with Au nanoparticles for plasmon-enhanced photoelectrochemical water splitting. Journal of Alloys and Compounds, 2019, 787, 1310-1319.	2.8	35
48	Enhanced electrochemical hydrogen evolution over defect-induced hybrid MoO <sub>3</sub> /Mo <sub>3</sub> O <sub>9</sub> ·H <sub>2</sub> O microrods. Applied Surface Science, 2019, 469, 348-356.	3.1	13
49	Photoluminescence, electro- and thermal catalytic properties of bare and Eu(III)-doped GaOOH, $\gamma$ - and $\beta$ -Ga <sub>2</sub> O <sub>3</sub> nanorods. Journal of Alloys and Compounds, 2019, 774, 11-17.	2.8	19
50	Lanthanide (III) (La, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, and Yb) Ions Loaded in CeO <sub>2</sub> Support; Fundamental Natures, Hydrogen Reduction, and CO Oxidation Activities. Applied Science and Convergence Technology, 2019, 28, 35-40.	0.3	6
51	Stalagmite Al(OH) <sub>3</sub> growth on aluminum foil surface by catalytic CO <sub>2</sub> reduction with H <sub>2</sub> O. Applied Surface Science, 2018, 450, 85-90.	3.1	6
52	ZnO-TiO <sub>2</sub> Core-Shell Nanowires: A Sustainable Photoanode for Enhanced Photoelectrochemical Water Splitting. ACS Sustainable Chemistry and Engineering, 2018, 6, 6518-6526.	3.2	68
53	Formic acid electrooxidation activity of Pt and Pt/Au catalysts: Effects of surface physical properties and irreversible adsorption of Bi. Electrochimica Acta, 2018, 273, 307-317.	2.6	28
54	Ferromagnetic multiphase FeNi oxide and pure Fe <sub>3</sub> O <sub>4</sub> induced by water-gas shift reaction: Magnetization and supercapacitor application. Journal of Alloys and Compounds, 2018, 744, 828-836.	2.8	4

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55	Understanding photocatalytic coupled-dye degradation, and photoelectrocatalytic water splitting and CO <sub>2</sub> reduction over WO <sub>3</sub> /MoO <sub>3</sub> hybrid nanostructures. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 62, 362-374.	2.9	27
56	Bimetallic Au@M (M = Ag, Pd, Fe, and Cu) Nanoarchitectures Mediated by 1,4-Phenylene Diisocyanide Functionalization. <i>Langmuir</i> , 2018, 34, 2849-2855.	1.6	15
57	Comparable electrocatalytic performances of carbon- and Rh-loaded SrTiO <sub>3</sub> nanoparticles. <i>Chinese Chemical Letters</i> , 2018, 29, 800-804.	4.8	10
58	Photoelectrocatalytic effect of unbalanced RF magnetron sputtered TiO <sub>2</sub> thin film on ITO-coated patterned SiO <sub>2</sub> nanocone arrays. <i>Catalysis Science and Technology</i> , 2018, 8, 898-906.	2.1	10
59	Yb <sub>2</sub> O <sub>3</sub> nanowires, nanorods and nano-square plates. <i>Ceramics International</i> , 2018, 44, 3341-3347.	2.3	25
60	Flexible Solid-State Symmetric Supercapacitor Based on (Fe,Cr) <sub>2</sub> O <sub>3</sub> Oxide Layer Developed on the Stainless Steel Mesh. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 300-310.	3.2	27
61	Blue-Light-Emitting Photostable Hybrid Films for High-Efficiency Large-Area Light Converter and Photonic Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 44768-44775.	4.0	13
62	Development of an Fe <sub>3</sub> O <sub>4</sub> @Cu silicate based sensing platform for the electrochemical sensing of dopamine. <i>RSC Advances</i> , 2018, 8, 31037-31047.	1.7	8
63	Conical multiple-layered Pt deposits on Au and its adsorption stoichiometries of CO and hydrogen. <i>Electrochimica Acta</i> , 2018, 290, 244-254.	2.6	10
64	Charge carrier generation and control on plasmonic Au clusters functionalized TiO <sub>2</sub> thin films for enhanced visible light water splitting activity. <i>Ceramics International</i> , 2018, 44, 18978-18986.	2.3	21
65	Paramagnetic Ho <sub>2</sub> O <sub>3</sub> nanowires, nano-square sheets, and nanoplates. <i>Ceramics International</i> , 2018, 44, 17919-17924.	2.3	16
66	Electrochemical performance of facile developed aqueous asymmetric (Fe,Cr) <sub>2</sub> O <sub>3</sub> //MnO <sub>2</sub> supercapacitor. <i>Electrochimica Acta</i> , 2018, 285, 381-392.	2.6	33
67	Facile synthesis of CuCo <sub>2</sub> O <sub>4</sub> composite octahedrons for high performance supercapacitor application. <i>Composites Part B: Engineering</i> , 2018, 150, 269-276.	5.9	72
68	Preparation of ultrathin TiO <sub>2</sub> coating on boron particles by thermal chemical vapor deposition and their oxidation-resistance performance. <i>Journal of Alloys and Compounds</i> , 2018, 767, 924-931.	2.8	19
69	Antimicrobial activity of ZnO nanoplates and its Ag nanocomposites: Insight into an ROS-mediated antibacterial mechanism under UV light. <i>Journal of Solid State Chemistry</i> , 2018, 267, 124-133.	1.4	57
70	Facile synthesis of porous CuCo <sub>2</sub> O <sub>4</sub> composite sheets and their supercapacitive performance. <i>Composites Part B: Engineering</i> , 2018, 150, 234-241.	5.9	51
71	Electronic and steric effects controlling efficiencies of photoaddition reactions of fullerene C <sub>60</sub> with N- $\hat{I}$ -trimethylsilyl-N-alkyl-N-benzylamines. <i>Tetrahedron Letters</i> , 2017, 58, 949-954.	0.7	8
72	Crystal Phase and Size-Controlled Synthesis of Tungsten Trioxide Hydrate Nanoplates at Room Temperature: Enhanced Cr(VI) Photoreduction and Methylene Blue Adsorption Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2741-2750.	3.2	59

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73	Electrooptical threshold behavior of electroconvection in twisted nematic liquid crystal cells. Journal of the Korean Physical Society, 2017, 70, 276-280.	0.3	0
74	Selective and sensitive morpholine-type rhodamine B-based colorimetric and fluorescent chemosensor for Fe(III) and Fe(II). Sensors and Actuators B: Chemical, 2017, 248, 646-656.	4.0	25
75	Catalytic activities of Ni-decorated boron particles. Materials and Design, 2017, 125, 205-212.	3.3	4
76	Recent progress and perspectives in the photocatalytic CO <sub>2</sub> reduction of Ti-oxide-based nanomaterials. Applied Surface Science, 2017, 396, 1696-1711.	3.1	168
77	Chemical synthesis of ZnO nanorods: Investigations of electrochemical performance and photo-electrochemical water splitting applications. Journal of Alloys and Compounds, 2017, 711, 573-580.	2.8	55
78	Novel composite ZnO/TiO <sub>2</sub> thin film photoanodes for enhanced visible-light-driven photoelectrochemical water splitting activity. Journal of Electroanalytical Chemistry, 2017, 804, 92-98.	1.9	37
79	Highly Active Tungsten Oxide Nanoplate Electrocatalysts for the Hydrogen Evolution Reaction in Acidic and Near Neutral Electrolytes. ACS Omega, 2017, 2, 7039-7047.	1.6	68
80	Hydrothermal Synthesis and Characterization of Sm <sub>2</sub> O <sub>3</sub> Nanoplates. Bulletin of the Korean Chemical Society, 2017, 38, 1149-1154.	1.0	1
81	Facile Green Synthesis of WO <sub>3</sub> ·H <sub>2</sub> O Nanoplates and WO <sub>3</sub> Nanowires with Enhanced Photoelectrochemical Performance. Crystal Growth and Design, 2017, 17, 4949-4957.	1.4	58
82	Ag nanoparticles decorated ion-beam-assisted TiO <sub>2</sub> thin films for tuning the water splitting activity from UV to visible light harvesting. Ceramics International, 2017, 43, 12814-12821.	2.3	21
83	Synthesis and characterization of Er <sub>2</sub> O <sub>3</sub> nanorods and nanosheets. Ceramics International, 2017, 43, 2069-2075.	2.3	13
84	Hydrothermal synthesis of Nd <sub>2</sub> O <sub>3</sub> nanorods. Ceramics International, 2017, 43, 1193-1199.	2.3	45
85	Liquid-Phase Ethanol Oxidation and Gas-Phase CO Oxidation Reactions over M Doped (M = Ag, Au, Pd) TiO <sub>2</sub> /WO <sub>3</sub> Nanocomposites. Journal of Applied Catalysis B: Environmental, 2017, 196, 1-10.	0.9	0
86	Preparation of TiO <sub>2</sub> -Decorated Boron Particles by Wet Ball Milling and their Photoelectrochemical Hydrogen and Oxygen Evolution Reactions. Materials, 2016, 9, 1012.	1.3	22
87	Application of Ni-Oxide@TiO <sub>2</sub> Core-Shell Structures to Photocatalytic Mixed Dye Degradation, CO Oxidation, and Supercapacitors. Materials, 2016, 9, 1024.	1.3	7
88	Interfacial Electronic Structure of Electrodeposited Ag Nanoparticles on Iron Oxide Nanorice Particles. Bulletin of the Korean Chemical Society, 2016, 37, 2098-2101.	1.0	1
89	Improvement of power generation of microbial fuel cell by integrating tungsten oxide electrocatalyst with pure or mixed culture biocatalysts. Electrochimica Acta, 2016, 199, 154-163.	2.6	63
90	Luminescence and Magnetic Properties of Tb(III) Complexes with TETA and Synergistic Effect by 1,10-Phenanthroline. Bulletin of the Korean Chemical Society, 2016, 37, 1458-1463.	1.0	3

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91	Neighbour-sensitized near-infrared emission of new Nd(III) and Er(III) complexes with 1-(anthracene-2-yl)-4,4,4-trifluoro-1,3-butanedione. <i>New Journal of Chemistry</i> , 2016, 40, 9702-9710.	1.4	12
92	Unique multi-phase Co/Fe/CoFe <sub>2</sub> O <sub>4</sub> by water-gas shift reaction, CO oxidation and enhanced supercapacitor performances. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 43, 69-77.	2.9	27
93	Combustion of boron particles coated with an energetic polymer material. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 3016-3020.	1.2	31
94	Photoluminescence profiles and fast/slow annealing effects of Eu(III)/Tb(III)-codoped silica phosphor materials. <i>Luminescence</i> , 2016, 31, 821-829.	1.5	2
95	Structures, and luminescence and magnetic properties of Ln(III) complexes bearing dibenzoylmethane ligand (Ln=Eu and Gd). <i>Journal of Luminescence</i> , 2016, 178, 368-374.	1.5	14
96	Metallic indium spheres by the anaerobic ethanol oxidation of indium oxide. <i>Journal of Alloys and Compounds</i> , 2016, 687, 611-615.	2.8	14
97	Magnetic Ni-Co alloys induced by water-gas shift reaction, Ni-Co oxides by CO oxidation and their supercapacitor applications. <i>Applied Surface Science</i> , 2016, 386, 393-404.	3.1	27
98	AgX (X = Cl, Br, I)/BiOX nanoplates and microspheres for pure and mixed (methyl orange, rhodamine B) dye removal. <i>Journal of Applied Surface Science</i> , 2016, 386, 393-404.	2.9	28
99	TiO <sub>2</sub> /BiOX (X=Cl, Br, I) hybrid microspheres for artificial waste water and real sample treatment under visible light irradiation. <i>Separation and Purification Technology</i> , 2016, 160, 28-42.	3.9	58
100	Crystal-facet dependent CO oxidation, preferential oxidation of CO in H <sub>2</sub> -rich, water-gas shift reactions, and supercapacitor application over Co <sub>3</sub> O <sub>4</sub> nanostructures. <i>Applied Catalysis A: General</i> , 2016, 519, 56-67.	2.2	27
101	Fabrication of ZnO, ZnS, Ag-ZnS, and Au-ZnS microspheres for photocatalytic activities, CO oxidation and 2-hydroxyterephthalic acid synthesis. <i>Journal of Alloys and Compounds</i> , 2016, 675, 46-56.	2.8	85
102	Single Electron Transfer-Promoted Photochemical Reactions of Secondary <i>N</i> -Trimethylsilylmethyl- <i>N</i> -benzylamines Leading to Aminomethylation of Fullerene C <sub>60</sub> . <i>Journal of Organic Chemistry</i> , 2016, 81, 2460-2473.	1.7	25
103	Crystal structures and color properties of new complex perovskite oxynitrides AMg <sub>0.2</sub> Ta <sub>0.8</sub> O <sub>2.6</sub> N <sub>0.4</sub> (A = Sr, Ba). <i>Dalton Transactions</i> , 2016, 45, 5614-5621.	1.6	17
104	Novel inkjet droplet method generating monodisperse hollow metal oxide micro-spheres. <i>Chemical Engineering Journal</i> , 2016, 292, 139-146.	6.6	10
105	Understanding hydrothermal transformation from Mn <sub>2</sub> O <sub>3</sub> particles to Na <sub>0.55</sub> Mn <sub>2</sub> O <sub>4</sub> ·1.5H <sub>2</sub> O nanosheets, nanobelts and single crystalline ultra-long Na <sub>4</sub> Mn <sub>9</sub> O <sub>18</sub> nanowires. <i>Scientific Reports</i> , 2015, 5, 18275.	1.6	34
106	Metallic Sn spheres and SnO <sub>2</sub> @C core-shells by anaerobic and aerobic catalytic ethanol and CO oxidation reactions over SnO <sub>2</sub> nanoparticles. <i>Scientific Reports</i> , 2015, 5, 13448.	1.6	40
107	Photochemical and enzymatic SET promoted C-C bond cleavage reactions of lignin β-1 model compounds containing varying number of methoxy substituents on their arene rings. <i>Tetrahedron</i> , 2015, 71, 4236-4247.	1.0	16
108	Effect of Etching on Electron-Hole Recombination in Sr-Doped NaTaO <sub>3</sub> Photocatalysts. <i>Journal of Physical Chemistry C</i> , 2015, 119, 28440-28447.	1.5	25

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109	Biomolecule-assisted synthesis of $\text{In}(\text{OH})_3$ nanocubes and $\text{In}_2\text{O}_3$ nanoparticles: photocatalytic degradation of organic contaminants and CO oxidation. <i>Nanotechnology</i> , 2015, 26, 485601.	1.3	35
110	Observation of Mediated Cascade Energy Transfer in Europium-Doped ZnO Nanowalls by 1,10-Phenanthroline. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2142-2147.	1.5	20
111	Synthesis and characterization of $\text{Dy}(\text{OH})_3$ and $\text{Dy}_2\text{O}_3$ nanorods and nanosheets. <i>Ceramics International</i> , 2015, 41, 3999-4006.	2.3	35
112	Synthesis and characterization of $\text{Sm}(\text{OH})_3$ and $\text{Sm}_2\text{O}_3$ nanoroll sticks. <i>Journal of Materials Science</i> , 2015, 50, 1958-1964.	1.7	46
113	Synthesis and physicochemical properties of $\text{La}(\text{OH})_3$ and $\text{La}_2\text{O}_3$ nanostructures. <i>Materials Science in Semiconductor Processing</i> , 2015, 40, 737-743.	1.9	79
114	Controlled synthesis and facets-dependent photocatalysis of $\text{TiO}_2$ nanocrystals. <i>Semiconductor Science and Technology</i> , 2015, 30, 044005.	1.0	6
115	Nanoscale architecture of bimetallic hybrid $\text{Fe}^{\text{II}}\text{Au}$ nanostructures with and without 1,4-phenylene diisocyanide pre-functionalization. <i>RSC Advances</i> , 2015, 5, 31472-31478.	1.7	13
116	Luminescent $\text{Eu}(\text{III})$ and $\text{Tb}(\text{III})$ activator ions in $\text{La}(\text{OH})_3$ and $\text{La}_2\text{O}_3$ nanowire matrices. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 201, 35-44.	1.7	15
117	Band gap-engineered ZnO and Ag/ZnO by ball-milling method and their photocatalytic and Fenton-like photocatalytic activities. <i>Applied Surface Science</i> , 2015, 356, 615-625.	3.1	61
118	Graphene, charcoal, ZnO, and ZnS/BiOX (X = Cl, Br, and I) hybrid microspheres for photocatalytic simulated real mixed dye treatments. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 32, 137-152.	2.9	43
119	Recyclable magnetic $\text{CoFe}_2\text{O}_4/\text{BiOX}$ (X = Cl, Br and I) microflowers for photocatalytic treatment of water contaminated with methyl orange, rhodamine B, methylene blue, and a mixed dye. <i>RSC Advances</i> , 2015, 5, 79624-79634.	1.7	53
120	Hierarchical BiOBr, AgBr/BiOBr and BiOBr<sub>x</sub>/BiOBr<sub>1-x</sub> Nano-Assembled Microspheres for Photocatalytic Methyl Orange Treatment. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 8362-8369.	0.9	9
121	Crystal phase transformation and doping-induced blue emission of Eu-doped $\text{In}_2\text{O}_3$ nanowires. <i>CrystEngComm</i> , 2015, 17, 1189-1200.	1.3	23
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