

Youngku Sohn

List of Publications by Year in descending order

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199
papers

5,403
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81743

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118652

62
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all docs

200
docs citations

200
times ranked

7625
citing authors

#	ARTICLE	IF	CITATIONS
1	Synergy of Low-Energy {101} and High-Energy {001} TiO ₂ Crystal Facets for Enhanced Photocatalysis. ACS Nano, 2013, 7, 2532-2540.	7.3	443
2	Adsorption/photocatalytic activity and fundamental natures of BiOCl and BiOCl _{1-x} prepared in water and ethylene glycol environments, and Ag and Au-doping effects. Applied Catalysis B: Environmental, 2014, 147, 711-725.	10.8	188
3	Nanoscale Shape and Size Control of Cubic, Cuboctahedral, and Octahedral Cu ⁺ Cu ₂ O Core-Shell Nanoparticles on Si(100) by One-Step, Templateless, Capping-Agent-Free Electrodeposition. ACS Nano, 2010, 4, 1553-1560.	7.3	185
4	Recent progress and perspectives in the photocatalytic CO ₂ reduction of Ti-oxide-based nanomaterials. Applied Surface Science, 2017, 396, 1696-1711.	3.1	168
5	Full characterization of Eu(OH) ₃ and Eu ₂ O ₃ nanorods. Applied Surface Science, 2014, 314, 158-165.	3.1	123
6	Adsorption and UV/Visible photocatalytic performance of BiOI for methyl orange, Rhodamine B and methylene blue: Ag and Ti-loading effects. CrystEngComm, 2014, 16, 3155-3167.	1.3	114
7	Engineered Electronic States of Transition Metal Doped TiO ₂ Nanocrystals for Low Overpotential Oxygen Evolution Reaction. Journal of Physical Chemistry C, 2014, 118, 29499-29506.	1.5	109
8	Green Synthesis of Anatase TiO ₂ Nanocrystals with Diverse Shapes and their Exposed Facets-Dependent Photoredox Activity. ACS Applied Materials & Interfaces, 2014, 6, 16498-16507.	4.0	100
9	Fabrication of ZnO, ZnS, Ag-ZnS, and Au-ZnS microspheres for photocatalytic activities, CO oxidation and 2-hydroxyterephthalic acid synthesis. Journal of Alloys and Compounds, 2016, 675, 46-56.	2.8	85
10	Synthesis and physicochemical properties of La(OH) ₃ and La ₂ O ₃ nanostructures. Materials Science in Semiconductor Processing, 2015, 40, 737-743.	1.9	79
11	Synthesis and characterization of Gd(OH) ₃ and Gd ₂ O ₃ nanorods. Ceramics International, 2015, 41, 1243-1248.	2.3	78
12	Surface treatment effects on CO oxidation reactions over Co, Cu, and Ni-doped and codoped CeO ₂ catalysts. Chemical Engineering Journal, 2014, 250, 25-34.	6.6	73
13	Physicochemical properties of ball milled boron particles: Dry vs. wet ball milling process. Powder Technology, 2015, 269, 548-553.	2.1	72
14	Facile synthesis of CuCo ₂ O ₄ composite octahedrons for high performance supercapacitor application. Composites Part B: Engineering, 2018, 150, 269-276.	5.9	72
15	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
16	ZnO-TiO ₂ Core-Shell Nanowires: A Sustainable Photoanode for Enhanced Photoelectrochemical Water Splitting. ACS Sustainable Chemistry and Engineering, 2018, 6, 6518-6526.	3.2	68
17	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
18	Band gap-engineered ZnO and Ag/ZnO by ball-milling method and their photocatalytic and Fenton-like photocatalytic activities. Applied Surface Science, 2015, 356, 615-625.	3.1	61

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19	Interfacial nature of Ag nanoparticles supported on TiO ₂ photocatalysts. <i>Journal of Materials Science</i> , 2012, 47, 824-832.	1.7	59
20	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
21	TiO ₂ /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
22	Facile Green Synthesis of WO ₃ ·xH ₂ O Nanoplates and WO ₃ Nanowires with Enhanced Photoelectrochemical Performance. <i>Crystal Growth and Design</i> , 2017, 17, 4949-4957.	1.4	58
23	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
24	Structural and spectroscopic characteristics of terbium hydroxide/oxide nanorods and plates. <i>Ceramics International</i> , 2014, 40, 13803-13811.	2.3	56
25	Chemical synthesis of ZnO nanorods: Investigations of electrochemical performance and photo-electrochemical water splitting applications. <i>Journal of Alloys and Compounds</i> , 2017, 711, 573-580.	2.8	55
26	Recyclable magnetic CoFe ₂ O ₄ /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
27	Interfacial Natures and Controlling Morphology of Co Oxide Nanocrystal Structures by Adding Spectator Ni Ions. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 505-510.	1.0	53
28	Electrochemical Pd Nanodeposits on a Au Nanoisland Template Supported on Si(100): Formation of Pd ^δ -Au Alloy and Interfacial Electronic Structures. <i>ACS Nano</i> , 2010, 4, 5111-5120.	7.3	51
29	Adsorption/photocatalytic performances of hierarchical flowerlike BiOBr _x Cl _{1-x} nanostructures for methyl orange, Rhodamine B and methylene blue. <i>Materials Science in Semiconductor Processing</i> , 2014, 27, 181-190.	1.9	51
30	Facile synthesis of porous CuCo ₂ O ₄ composite sheets and their supercapacitive performance. <i>Composites Part B: Engineering</i> , 2018, 150, 234-241.	5.9	51
31	Fundamental nature and CO oxidation activities of indium oxide nanostructures: 1D-wires, 2D-plates, and 3D-cubes and donuts. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10193.	5.2	50
32	Synthesis of In ₂ S ₃ microspheres using a template-free and surfactant-less hydrothermal process and their visible light photocatalysis. <i>CrystEngComm</i> , 2014, 16, 8064.	1.3	50
33	Synthesis and characterization of Sm(OH) ₃ and Sm ₂ O ₃ nanoroll sticks. <i>Journal of Materials Science</i> , 2015, 50, 1958-1964.	1.7	46
34	Hydrothermal synthesis of Nd ₂ O ₃ nanorods. <i>Ceramics International</i> , 2017, 43, 1193-1199.	2.3	45
35	Interfacial Electronic Structure of Gold Nanoparticles on Si(100): Alloying versus Quantum Size Effects. <i>Langmuir</i> , 2009, 25, 9557-9563.	1.6	43
36	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

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37	Photocatalytic CO ₂ reduction and hydrogen production over Pt/Zn-embedded \hat{I}^2 -Ga ₂ O ₃ nanorods. Applied Surface Science, 2021, 536, 147753.	3.1	41
38	Metallic Sn spheres and SnO ₂ @C core-shells by anaerobic and aerobic catalytic ethanol and CO oxidation reactions over SnO ₂ nanoparticles. Scientific Reports, 2015, 5, 13448.	1.6	40
39	A novel RGO/N-RGO supercapacitor architecture for a wide voltage window, high energy density and long-life <i>via</i> voltage holding tests. Chemical Communications, 2020, 56, 2893-2896.	2.2	40
40	Determination of the structure of EuTETA and the luminescence properties of EuTETA and EuDOTA (TETA=1,4,8,11-tetraazacyclotetradecane-1,4,8,11-tetraacetate and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 617 Td (DOTA=1,4,7,10-tetraazacyclododecane-1,4,7,10-tetraacetate). Journal of Inorganic and Organometallic Chemistry, 2019, 947, 10-17.	1.4	40
41	Plasmonic Ag-Decorated Few-Layer MoS ₂ Nanosheets Vertically Grown on Graphene for Efficient Photoelectrochemical Water Splitting. Nano-Micro Letters, 2020, 12, 172.	14.4	39
42	Novel composite ZnO/TiO ₂ thin film photoanodes for enhanced visible-light-driven photoelectrochemical water splitting activity. Journal of Electroanalytical Chemistry, 2017, 804, 92-98.	1.9	37
43	Biomolecule-assisted synthesis of In(OH) ₃ nanocubes and In ₂ O ₃ nanoparticles: photocatalytic degradation of organic contaminants and CO oxidation. Nanotechnology, 2015, 26, 485601.	1.3	35
44	Synthesis and characterization of Dy(OH) ₃ and Dy ₂ O ₃ nanorods and nanosheets. Ceramics International, 2015, 41, 3999-4006.	2.3	35
45	ZnO-TiO ₂ 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
46	Understanding hydrothermal transformation from Mn ₂ O ₃ particles to Na _{0.55} Mn ₂ O ₄ ·1.5H ₂ O nanosheets, nanobelts and single crystalline ultra-long Na ₄ Mn ₉ O ₁₈ nanowires. Scientific Reports, 2015, 5, 18275.	1.6	34
47	A highly stable, selective, and high-performance VOC sensor using a SnS ₂ nano-lotus structure. Journal of Materials Chemistry C, 2021, 9, 7713-7725.	2.7	34
48	Electrochemical performance of facile developed aqueous asymmetric (Fe,Cr) ₂ O ₃ //MnO ₂ supercapacitor. Electrochimica Acta, 2018, 285, 381-392.	2.6	33
49	Combustion of boron particles coated with an energetic polymer material. Korean Journal of Chemical Engineering, 2016, 33, 3016-3020.	1.2	31
50	Physicochemical properties of praseodymium hydroxide and oxide nanorods. Journal of Alloys and Compounds, 2015, 619, 165-171.	2.8	29
51	The Interfacial Nature of TiO ₂ and ZnO Nanoparticles Modified by Gold Nanoparticles. Bulletin of the Korean Chemical Society, 2010, 31, 2170-2174.	1.0	29
52	SiO ₂ nanospheres modified by Ag nanoparticles: Surface charging and CO oxidation activity. Journal of Molecular Catalysis A, 2013, 379, 59-67.	4.8	28
53	Photoluminescence imaging of EuBO ₃ , TbBO ₃ , Eu(III)-BO, and Tb(III)-BO nanostructures. Ceramics International, 2014, 40, 2467-2475.	2.3	28
54	Effects of an additional magnetic field in ITO thin film deposition by magnetron sputtering. Ceramics International, 2015, 41, 617-621.	2.3	28

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55	AgX (X = Cl, Br, I)/BiOX nanoplates and microspheres for pure and mixed (methyl orange, rhodamine B) Tj ETQq1 1.0,784314,rgBT /Over	2.9	28
56	Formic acid electrooxidation activity of Pt and Pt/Au catalysts: Effects of surface physical properties and irreversible adsorption of Bi. <i>Electrochimica Acta</i> , 2018, 273, 307-317.	2.6	28
57	Photocatalytic and photoelectrocatalytic properties of Eu(III)-doped perovskite SrTiO ₃ nanoparticles with dopant level approaches. <i>Materials Science in Semiconductor Processing</i> , 2021, 132, 105919.	1.9	28
58	One-dimensional single crystalline antimony sulfur iodide, SbSI. <i>Materials Letters</i> , 2012, 86, 132-135.	1.3	27
59	Unique multi-phase Co/Fe/CoFe ₂ O ₄ 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
60	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
61	Crystal-facet dependent CO oxidation, preferential oxidation of CO in H ₂ -rich, water-gas shift reactions, and supercapacitor application over Co ₃ O ₄ nanostructures. <i>Applied Catalysis A: General</i> , 2016, 519, 56-67.	2.2	27
62	Understanding photocatalytic coupled-dye degradation, and photoelectrocatalytic water splitting and CO ₂ reduction over WO ₃ /MoO ₃ hybrid nanostructures. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 62, 362-374.	2.9	27
63	Flexible Solid-State Symmetric Supercapacitor Based on (Fe,Cr) ₂ O ₃ Oxide Layer Developed on the Stainless Steel Mesh. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 300-310.	3.2	27
64	Synthesis of Er and Yb-doped cubic and hexagonal phase ZnSe nano-assembled microspheres and their photocatalytic activities. <i>Ceramics International</i> , 2014, 40, 16051-16059.	2.3	26
65	Anomalous Oxidation Resistance of "Core-Only" Copper Nanoparticles Electrochemically Grown on Gold Nanoislands Prefunctionalized by 1,4-phenylene Diisocyanide. <i>Electrochemical and Solid-State Letters</i> , 2012, 15, K35.	2.2	25
66	Effect of Etching on Electron-Hole Recombination in Sr-Doped NaTaO ₃ Photocatalysts. <i>Journal of Physical Chemistry C</i> , 2015, 119, 28440-28447.	1.5	25
67	Single Electron Transfer-Promoted Photochemical Reactions of Secondary <i>N</i> -Trimethylsilylmethyl- <i>N</i> -benzylamines Leading to Aminomethylation of Fullerene C ₆₀ . <i>Journal of Organic Chemistry</i> , 2016, 81, 2460-2473.	1.7	25
68	Selective and sensitive morpholine-type rhodamine B-based colorimetric and fluorescent chemosensor for Fe(III) and Fe(II). <i>Sensors and Actuators B: Chemical</i> , 2017, 248, 646-656.	4.0	25
69	Yb ₂ O ₃ nanowires, nanorods and nano-square plates. <i>Ceramics International</i> , 2018, 44, 3341-3347.	2.3	25
70	Phenylacetylene on Cu(111): Adsorption Geometry, Interfacial Electronic Structures and Thermal Chemistry. <i>Journal of Physical Chemistry C</i> , 2007, 111, 5101-5110.	1.5	24
71	Photoluminescence imaging of Eu(III), Eu(III)/Ag, Eu(III)/Tb(III), and Eu(III)/Tb(III)/Ag-doped Gd(OH) ₃ and Gd ₂ O ₃ nanorods. <i>Ceramics International</i> , 2014, 40, 12035-12044.	2.3	23
72	Crystal phase transformation and doping-induced blue emission of Eu-doped InOOH and cubic/corundum-type rhombohedral In ₂ O ₃ nanowires. <i>CrystEngComm</i> , 2015, 17, 1189-1200.	1.3	23

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73	Luminescence and crystal field parameters of the Na ₃ [Eu(DPA) ₃]·12H ₂ O complex in a single crystalline state. <i>Journal of Alloys and Compounds</i> , 1998, 274, 1-9.	2.8	22
74	Solely Γ_f -Atop Site Bonding of Phenyl Isocyanide on Au(111)? Comparison with on Cu(111). <i>Journal of Physical Chemistry C</i> , 2008, 112, 5006-5013.	1.5	22
75	Preparation of TiO ₂ -Decorated Boron Particles by Wet Ball Milling and their Photoelectrochemical Hydrogen and Oxygen Evolution Reactions. <i>Materials</i> , 2016, 9, 1012.	1.3	22
76	Photoluminescence Imaging of SiO ₂ @Y ₂ O ₃ :Eu(III) and SiO ₂ @Y ₂ O ₃ :Tb(III) Core-Shell Nanostructures. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 575-580.	1.0	22
77	Crystal structure and luminescence of Na[Eu(DCTA)·H ₂ O]·4H ₂ O (DCTA = trans-cyclohexane-1,2-diyldinitrilotetraacetate). <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 1467.	1.1	21
78	Photoluminescence imaging of Eu(III) and Tb(III)-embedded SiO ₂ nanostructures. <i>Journal of Luminescence</i> , 2015, 158, 27-31.	1.5	21
79	Ag nanoparticles decorated ion-beam-assisted TiO ₂ thin films for tuning the water splitting activity from UV to visible light harvesting. <i>Ceramics International</i> , 2017, 43, 12814-12821.	2.3	21
80	Charge carrier generation and control on plasmonic Au clusters functionalized TiO ₂ thin films for enhanced visible light water splitting activity. <i>Ceramics International</i> , 2018, 44, 18978-18986.	2.3	21
81	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
82	Ultrasonication assisted production of silver nanowires with low aspect ratio and their optical properties. <i>Ultrasonics Sonochemistry</i> , 2015, 22, 35-40.	3.8	19
83	Preparation of ultrathin TiO ₂ 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
84	Photoelectrochemical Hydrogen Evolution and CO ₂ Reduction over MoS ₂ /Si and MoSe ₂ /Si Nanostructures by Combined Photoelectrochemical Deposition and Rapid-Thermal Annealing Process. <i>Catalysts</i> , 2019, 9, 494.	1.6	19
85	Electrochemical hydrogen evolution and CO ₂ reduction over hierarchical MoS _x Se _{2-x} hybrid nanostructures. <i>Applied Surface Science</i> , 2019, 489, 976-982.	3.1	19
86	Photoluminescence, electro- and thermal catalytic properties of bare and Eu(III)-doped GaOOH, Γ_1 - and Γ_2 -Ga ₂ O ₃ nanorods. <i>Journal of Alloys and Compounds</i> , 2019, 774, 11-17.	2.8	19
87	Two-photon photoelectron spectroscopy of conjugated polymer thin films on gold. <i>Applied Physics Letters</i> , 2004, 84, 76-78.	1.5	18
88	New fan blade-like core-shell Sb ₂ Ti _x Sy photocatalytic nanorod for hydrogen production from methanol/water photolysis. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 2136-2143.	3.8	18
89	Contour mapping 2D and 3D-photoluminescence of Au-doped one-dimensional Eu(III) and Tb(III) hydroxide and oxide nanostructures. <i>Ceramics International</i> , 2013, 39, 9157-9161.	2.3	17
90	2D and 3D Photoluminescence Imaging of Eu(III) Embedded in CeO ₂ Nanomatrix. <i>Journal of the American Ceramic Society</i> , 2013, 96, 3747-3752.	1.9	17

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91	Structural/spectroscopic analyses and H ₂ /O ₂ /CO responses of thulium(III) oxide nanosquare sheets. Applied Surface Science, 2014, 307, 736-743.	3.1	17
92	Crystal structures and color properties of new complex perovskite oxynitrides AMg _{0.2} Ta _{0.8} O _{2.6} N _{0.4} (A = Sr, Ba). Dalton Transactions, 2016, 45, 5614-5621.	1.6	17
93	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
94	Pt Deposits on Bi/Pt NP Catalyst for Formic Acid Oxidation: Catalytic Enhancement and Longer Lifetime. Langmuir, 2020, 36, 5359-5368.	1.6	17
95	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. Tetrahedron, 2015, 71, 4236-4247.	1.0	16
96	Photoluminescence profile imaging of Eu(III), Tb(III) and Eu(III)/Tb(III)-doped yttrium oxide nanosheets and nanorods. Journal of Luminescence, 2015, 157, 264-274.	1.5	16
97	Paramagnetic Ho ₂ O ₃ nanowires, nano-square sheets, and nanoplates. Ceramics International, 2018, 44, 17919-17924.	2.3	16
98	Electrochemical Recovery and Behaviors of Rare Earth (La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, and) Tj ETQqO 0.0 rgBT /Overlock 10	1.3	16
99	CO ₂ reduction by photocatalytic and photoelectrocatalytic approaches over Eu(III)-ZnGa ₂ O ₄ nanoparticles and Eu(III)-ZnGa ₂ O ₄ /ZnO nanorods. Journal of CO ₂ Utilization, 2022, 60, 101994.	3.3	16
100	Structural/Optical Properties and CO Oxidation Activities of SnO ₂ Nanostructures. Journal of the American Ceramic Society, 2014, 97, 1303-1310.	1.9	15
101	Synergic CO oxidation activities of boron-CeO ₂ hybrid materials prepared by dry and wet milling methods. Ceramics International, 2014, 40, 11511-11517.	2.3	15
102	Room temperature light-induced recrystallization of Cu ₂ O cubes to CuO nanostructures in water. CrystEngComm, 2014, 16, 8546-8554.	1.3	15
103	Luminescent Eu(III) and Tb(III) activator ions in La(OH) ₃ and La ₂ O ₃ nanowire matrices. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 201, 35-44.	1.7	15
104	Bimetallic Au@M (M = Ag, Pd, Fe, and Cu) Nanoarchitectures Mediated by 1,4-Phenylene Diisocyanide Functionalization. Langmuir, 2018, 34, 2849-2855.	1.6	15
105	Spray drying formation of metal oxide (TiO ₂ or SnO ₂) nanoparticle coated boron particles in the form of microspheres and their physicochemical properties. Journal of Alloys and Compounds, 2019, 810, 151923.	2.8	15
106	Synthesis and Characterization of 1-D BiSI and 2-D BiOI Nanostructures. Bulletin of the Korean Chemical Society, 2013, 34, 773-776.	1.0	15
107	Annealing effects on interfacial electronic structures and photoexcitation kinetics of regioregular poly(3-hexylthiophene) film on gold. Applied Physics Letters, 2007, 90, 171901.	1.5	14
108	Structures, and luminescence and magnetic properties of Ln(III) complexes bearing dibenzoylmethane ligand (Ln=Eu and Gd). Journal of Luminescence, 2016, 178, 368-374.	1.5	14

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109	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
110	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
111	Electrodeposition and Characterization of Lanthanide Elements on Carbon Sheets. <i>Coatings</i> , 2021, 11, 100.	1.2	14
112	1-Phenyl-1-propyne on Cu(111): XPS , UPS , and 2PPE Studies. <i>Langmuir</i> , 2007, 23, 12185-12191.	1.6	13
113	Effect of Number and Position of Positive Charges on the Stacking of Porphyrins along Poly[d(A-T)2] at High Binding Densities. <i>Journal of Physical Chemistry B</i> , 2010, 114, 7641-7648.	1.2	13
114	Nanoscale architecture of bimetallic hybrid Fe@Au nanostructures with and without 1,4-phenylene diisocyanide pre-functionalization. <i>RSC Advances</i> , 2015, 5, 31472-31478.	1.7	13
115	Synthesis and characterization of Er_2O_3 nanorods and nanosheets. <i>Ceramics International</i> , 2017, 43, 2069-2075.	2.3	13
116	Blue-Light-Emitting Photostable Hybrid Films for High-Efficiency Large-Area Light Converter and Photonic Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44768-44775.	4.0	13
117	Enhanced electrochemical hydrogen evolution over defect-induced hybrid $\text{MoO}_3/\text{Mo}_3\text{O}_9 \cdot \text{H}_2\text{O}$ microrods. <i>Applied Surface Science</i> , 2019, 469, 348-356.	3.1	13
118	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
119	Characteristics of Photoexcitations and Interfacial Energy Levels of Regioregular Poly(3-hexylthiophene-2,5-diyl) on Gold. <i>ChemPhysChem</i> , 2007, 8, 1937-1942.	1.0	12
120	Synthesis and Photophysical Properties of an Eu(II)-Complex/PS Blend: Role of Ag Nanoparticles in Surface-Enhanced Luminescence. <i>Langmuir</i> , 2012, 28, 9842-9848.	1.6	12
121	Thermal H_2 -treatment effects on CO/CO_2 conversion over Pd-doped CeO_2 comparison with Au and Ag-doped CeO_2 . <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2014, 113, 85-100.	0.8	12
122	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
123	Plasmonic gold sensitization of ZnO nanowires for solar water splitting. <i>Materials Today Communications</i> , 2019, 21, 100675.	0.9	12
124	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
125	Thermal CO Oxidation and Photocatalytic CO_2 Reduction over Bare and M- Al_2O_3 (M = Co, Ni, Cu, Rh). <i>TJ ETQq1 1 0.784314 19 BT /Over</i>	1.9	12
126	Phenyl Isocyanide on Cu(111): XPS Bonding and Interfacial Energy Level Alignment. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7816-7825.	1.5	11

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127	Regiorandom poly(3-hexylthiophene) on gold: Interfacial electronic structures and photoexcitation kinetics. <i>Chemical Physics Letters</i> , 2007, 436, 228-232.	1.2	11
128	Interfacial electronic structure and ion beam induced effect of anatase TiO ₂ surface modified by Pd nanoparticles. <i>Applied Surface Science</i> , 2010, 257, 1692-1697.	3.1	11
129	Electrochemical Ce(III)/Ce(IV) Redox Behavior and Ce Oxide Nanostructure Recovery over Thio-Terpyridine-Functionalized Au/Carbon Paper Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27594-27611.	4.0	11
130	Novel inkjet droplet method generating monodisperse hollow metal oxide micro-spheres. <i>Chemical Engineering Journal</i> , 2016, 292, 139-146.	6.6	10
131	Comparable electrocatalytic performances of carbon- and Rh-loaded SrTiO ₃ nanoparticles. <i>Chinese Chemical Letters</i> , 2018, 29, 800-804.	4.8	10
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