Myong Yong Choi

List of Publications by Year
in descending order

150 papers	5,791 citations	71102 41 h-index	85541 71 g-index
151 all docs	151 docs citations	151 times ranked	4964 citing authors

#	Article	IF	Citations
1	Photocatalytic activity of SnO2 nanoparticles in methylene blue degradation. Materials Research Bulletin, 2016, 74, 85-89.	5.2	305
2	Fundamental aspects and recent advances in transition metal nitrides as electrocatalysts for hydrogen evolution reaction: A review. Current Opinion in Solid State and Materials Science, 2020, 24, 100805.	11.5	262
3	Application of advanced materials in sonophotocatalytic processes for the remediation of environmental pollutants. Journal of Hazardous Materials, 2021, 412, 125245.	12.4	215
4	Heteroatom-doped graphene-based materials for sustainable energy applications: A review. Renewable and Sustainable Energy Reviews, 2021, 143, 110849.	16.4	192
5	Recent progress and emerging challenges of transition metal sulfides based composite electrodes for electrochemical supercapacitive energy storage. Ceramics International, 2020, 46, 14317-14345.	4.8	183
6	Four Tautomers of Isolated Guanine from Infrared Laser Spectroscopy in Helium Nanodroplets. Journal of the American Chemical Society, 2006, 128, 7320-7328.	13.7	170
7	Sonoelectrochemistry for energy and environmental applications. Ultrasonics Sonochemistry, 2020, 63, 104960.	8.2	154
8	Counterion-Dependent Excitonic Spectra of Tetra(p-carboxyphenyl)porphyrin Aggregates in Acidic Aqueous Solution. Journal of the American Chemical Society, 2003, 125, 810-820.	13.7	149
9	MXene based emerging materials for supercapacitor applications: Recent advances, challenges, and future perspectives. Coordination Chemistry Reviews, 2022, 462, 214518.	18.8	148
10	Reduced graphene oxide wrapped ZnSâ€“Ag2S ternary composites synthesized via hydrothermal method: Applications in photocatalyst degradation of organic pollutants. Applied Surface Science, 2015, 324, 725-735.	6.1	145
11	Rapid and highly selective electrochemical sensor based on ZnS/Au-decorated f-multi-walled carbon nanotube nanocomposites produced via pulsed laser technique for detection of toxic nitro compounds. Journal of Hazardous Materials, 2021, 418, 126269.	12.4	140
12	Recent progress on bismuth oxyiodide (BiOI) photocatalyst for environmental remediation. Journal of Industrial and Engineering Chemistry, 2020, 81, 237-268.	5.8	138
13	Recent progress on synthetic strategies and applications of transition metal phosphides in energy storage and conversion. Ceramics International, 2021, 47, 4404-4425.	4.8	131
14	Temperature-Dependent Photoluminescence of Cesium Lead Halide Perovskite Quantum Dots: Splitting of the Photoluminescence Peaks of CsPbBr₃ and CsPb(Br/I)₃ Quantum Dots at Low Temperature. Journal of Physical Chemistry C, 2017, 121, 26054-26062.	3.1	120
15	Integrated technique of pulsed laser irradiation and sonochemical processes for the production of highly surface-active NiPd spheres. Chemical Engineering Journal, 2021, 411, 128486.	12.7	119
16	Architecting the AuPt alloys for hydrazine oxidation as an anolyte in fuel cell: Comparative analysis of hydrazine splitting and water splitting for energy-saving H2 generation. Applied Catalysis B: Environmental, 2022, 316, 121603.	20.2	102
17	Multiscale design of 3D metalâ€“organic frameworks (Mâ”BTC, M: Cu, Co, Ni) via PLAL enabling bifunctional electrocatalysts for robust overall water splitting. Chemical Engineering Journal, 2022, 446, 137045.	12.7	95
18	ZnO supported Au/Pd bimetallic nanocomposites for plasmon improved photocatalytic activity for methylene blue degradation under visible light irradiation. Applied Surface Science, 2019, 496, 143665.	6.1	93

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19	Enhanced photocatalytic activity at multidimensional interface of 1D-Bi2S3@2D-GO/3D-BiOI ternary nanocomposites for tetracycline degradation under visible-light. Journal of Hazardous Materials, 2021, 404, 123868.	12.4	93
20	Enhanced photocatalytic degradation of lindane using metalâ€“semiconductor Zn@ZnO and ZnO/Ag nanostructures. Journal of Environmental Sciences, 2018, 74, 107-115.	6.1	87
21	Electrocatalytic conversion of nitrate waste into ammonia: a review. Environmental Chemistry Letters, 2022, 20, 2929-2949.	16.2	87
22	Characterization and photocatalytic performance of SnO2â€“CNT nanocomposites. Applied Surface Science, 2015, 357, 302-308.	6.1	76
23	Infrared Spectra of HClâ˜H₂O Clusters in Helium Nanodroplets. Journal of Physical Chemistry Letters, 2010, 1, 2233-2238.	4.6	75
24	Plasmonic ZnO/Au/g-C3N4 nanocomposites as solar light active photocatalysts for degradation of organic contaminants in wastewater. Chemosphere, 2021, 263, 128262.	8.2	75
25	Hybrid Advanced Oxidation Processes Involving Ultrasound: An Overview. Molecules, 2019, 24, 3341.	3.8	73
26	Lignin-mediated green synthesis of functionalized gold nanoparticles via pulsed laser technique for selective colorimetric detection of lead ions in aqueous media. Journal of Hazardous Materials, 2021, 420, 126585.	12.4	66
27	Enhanced photocatalytic activity of Au-doped Au@ZnO core-shell flower-like nanocomposites. Journal of Alloys and Compounds, 2018, 735, 2058-2066.	5.5	65
28	Specific Solvent Produces Specific Phase Ni Nanoparticles: A Pulsed Laser Ablation in Solvents. Journal of Physical Chemistry C, 2014, 118, 14647-14654.	3.1	63
29	Pulsed laser synthesis of reduced graphene oxide supported ZnO/Au nanostructures in liquid with enhanced solar light photocatalytic activity. Environmental Pollution, 2020, 266, 115247.	7.5	63
30	Nanofiber NiMoO4/g-C3N4 Composite Electrode Materials for Redox Supercapacitor Applications. Nanomaterials, 2020, 10, 392.	4.1	63
31	Reconciling of experimental and theoretical insights on the electroactive behavior of C/Ni nanoparticles with AuPt alloys for hydrogen evolution efficiency and Non-enzymatic sensor. Chemical Engineering Journal, 2022, 435, 134790.	12.7	62
32	Synthesis of TiO2/RGO with plasmonic Ag nanoparticles for highly efficient photoelectrocatalytic reduction of CO2 to methanol toward the removal of an organic pollutant from the atmosphere. Environmental Pollution, 2021, 281, 116990.	7.5	61
33	Selective synthesis of Au and graphitic carbon-encapsulated Au (Au@GC) nanoparticles by pulsed laser ablation in solvents: Catalytic Au and acid-resistant Au@GC nanoparticles. Applied Surface Science, 2020, 506, 145006.	6.1	60
34	Fabrication strategies and surface tuning of hierarchical gold nanostructures for electrochemical detection and removal of toxic pollutants. Journal of Hazardous Materials, 2021, 420, 126648.	12.4	59
35	Solvent-mediated synthesis of BiOI with a tunable surface structure for effective visible light active photocatalytic removal of Cr(VI) from wastewater. Environmental Research, 2021, 197, 111080.	7.5	54
36	Infrared Laser Spectroscopy of Uracil and Thymine in Helium Nanodroplets:Â Vibrational Transition Moment Angle Study. Journal of Physical Chemistry A, 2007, 111, 2475-2479.	2.5	51

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37	Infrared Laser Spectroscopy of Imidazole Complexes in Helium Nanodroplets:Â Monomer, Dimer, and Binary Water Complexes. Journal of Physical Chemistry A, 2006, 110, 9344-9351.	2.5	50
38	Production of copper nanoparticles exhibiting various morphologies via pulsed laser ablation in different solvents and their catalytic activity for reduction of toxic nitroaromatic compounds. Journal of Hazardous Materials, 2021, 409, 124412.	12.4	50
39	Pulsed laser-assisted synthesis of metal and nonmetal-codoped ZnO for efficient photocatalytic degradation of Rhodamine B under solar light irradiation. Chemosphere, 2021, 274, 129782.	8.2	49
40	Synthesis of hierarchical structured rare earth metalâ€“doped Co3O4 by polymer combustion method for high performance electrochemical supercapacitor electrode materials. Ionics, 2020, 26, 2051-2061.	2.4	47
41	Efficient recovery of palladium nanoparticles from industrial wastewater and their catalytic activity toward reduction of 4-nitrophenol. Chemosphere, 2021, 262, 128358.	8.2	46
42	Hydrated HCl Clusters, HCl(H₂O)_{1â^'3}, in Helium Nanodroplets: Studies of Free OH Vibrational Stretching Modes. Journal of Physical Chemistry A, 2009, 113, 7360-7365.	2.5	43
43	Coâ€Assembled Supramolecular Nanostructure of Platinum(II) Complex through Helical Ribbon to Helical Tubes with Helical Inversion. Angewandte Chemie - International Edition, 2019, 58, 11709-11714.	13.8	43
44	Simple Preparation of Anatase TiO₂Nanoparticles via Pulsed Laser Ablation in Liquid. Bulletin of the Korean Chemical Society, 2013, 34, 279-282.	1.9	42
45	Anthracene-based fluorescent probe: Synthesis, characterization, aggregation-induced emission, mechanochromism, and sensing of nitroaromatics in aqueous media. Environmental Research, 2021, 194, 110741.	7.5	40
46	Functional polyterthiophene-appended uranyl-salophen complex: Electropolymerization and ion-selective response for monohydrogen phosphate. Analytica Chimica Acta, 2008, 614, 85-92.	5.4	38
47	Self-Assembled Tb³⁺ Complex Probe for Quantitative Analysis of ATP during Its Enzymatic Hydrolysis via Time-Resolved Luminescence in Vitro and in Vivo. ACS Applied Materials & Interfaces, 2017, 9, 722-729.	8.0	38
48	Method development and mechanistic study on direct pulsed laser irradiation process for highly effective dechlorination of persistent organic pollutants. Environmental Pollution, 2021, 291, 118158.	7.5	38
49	Time-resolved dynamics of laser-induced cavitation bubbles during production of Ni nanoparticles via pulsed laser ablation in different solvents and their electrocatalytic activity for determination of toxic nitroaromatics. Chemical Engineering Journal, 2022, 427, 130970.	12.7	37
50	Eco-friendly synthesis of lignin mediated silver nanoparticles as a selective sensor and their catalytic removal of aromatic toxic nitro compounds. Environmental Pollution, 2021, 269, 116174.	7.5	36
51	Effect of polymeric stabilizers on the catalytic activity of Pt nanoparticles synthesized by laser ablation. Chemical Physics Letters, 2010, 484, 254-257.	2.6	34
52	Low-temperature hydrothermal growth of ZnO nanorods on solâ€“gel prepared ZnO seed layers: Optimal growth conditions. Thin Solid Films, 2012, 524, 144-150.	1.8	34
53	<scp>Oneâ€step</scp> synthesis of hierarchical structured nickel copper sulfide nanorods with improved electrochemical supercapacitor properties. International Journal of Energy Research, 2021, 45, 9983-9998.	4.5	34
54	Catalyst activity of carbon nanotube supported Pd catalysts for the hydrogenation of nitroarenes. Materials Chemistry and Physics, 2016, 173, 404-411.	4.0	32

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55	One-pot synthesis of graphitic and nitrogen-doped graphitic layers on nickel nanoparticles produced by pulsed laser ablation in liquid: Solvent as the carbon and nitrogen source. Applied Surface Science, 2018, 457, 1050-1056.	6.1	31
56	Nanogap-tailored Au nanoparticles fabricated by pulsed laser ablation for surface-enhanced Raman scattering. Biosensors and Bioelectronics, 2022, 197, 113766.	10.1	31
57	Preparation of Pt- and Pd-decorated CNTs by DCC-activated amidation and investigation of their electrocatalytic activities. Electrochimica Acta, 2012, 60, 78-84.	5.2	28
58	Cost-Effective Synthesis of Efficient CoWO4/Ni Nanocomposite Electrode Material for Supercapacitor Applications. Nanomaterials, 2020, 10, 2195.	4.1	28
59	Nonplanarity of Adenine: Vibrational Transition Moment Angle Studies in Helium Nanodroplets. Journal of Physical Chemistry A, 2008, 112, 7185-7190.	2.5	26
60	Surface functionalized highly porous date seed derived activated carbon and MoS2 nanocomposites for hydrogenation of CO2 into formic acid. Journal of Hazardous Materials, 2021, 409, 124980.	12.4	26
61	Fabrication of porous Î²-Bi2O3 nanoplates by phase transformation of bismuth precursor via low-temperature thermal decomposition process and their enhanced photocatalytic activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 550, 37-45.	4.7	24
62	Study of HCl Clusters in Helium Nanodroplets:â€‰ Experiments and ab Initio Calculations as Stepping Stones from Gas Phase to Bulk. Journal of Physical Chemistry A, 2007, 111, 12711-12716.	2.5	22
63	Structures, dipole moments and excited state lifetime of isolated 4-cyanoindole in its ground and lowest electronically excited singlet states. Physical Chemistry Chemical Physics, 2019, 21, 14766-14774.	2.8	22
64	Fabrication of visible-light active BiFeWO6/ZnO nanocomposites with enhanced photocatalytic activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 586, 124294.	4.7	22
65	Fabrication of Pd/MnFe2O4 bifunctional 2-D nanosheets to enhance the yield of HCOOH from CO2 cathodic reduction paired with anodic oxidation to CH3OH. Fuel, 2022, 311, 122619.	6.4	22
66	Production of Size Controlled Aluminum and Alumina Nanoparticles via Pulsed Laser Ablation in Water. Journal of Nanoscience and Nanotechnology, 2012, 12, 8900-8903.	0.9	21
67	Lightâ€“matter interaction and polarization of single ZnO nanowire lasers. Physical Chemistry Chemical Physics, 2012, 14, 10556.	2.8	20
68	Graphene-oxide-supported Pt nanoparticles with high activity and stability for hydrazine electro-oxidation in a strong acidic solution. Applied Surface Science, 2017, 420, 700-706.	6.1	19
69	Conformationally resolved spectra of acetaminophen by UV-UV hole burning and IR dip spectroscopy in the gas phase. Physical Chemistry Chemical Physics, 2013, 15, 957-964.	2.8	18
70	Various shaped-ZnO nanocrystals via low temperature synthetic methods: Surfactant and pH dependence. Solid State Sciences, 2013, 21, 26-31.	3.2	18
71	Determining Chiral Configuration of Diamines via Contact Angle Measurements on Enantioselective Alanine-Appended Benzene-Tricarboxamide Gelators. ACS Applied Materials & Interfaces, 2016, 8, 14102-14108.	8.0	18
72	Highly efficient Ni0.5Fe0.5Se2/MWCNT electrocatatalyst for hydrogen evolution reaction in acid media. International Journal of Hydrogen Energy, 2020, 45, 7838-7847.	7.1	18

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73	Fabrication of nonenzymatic electrochemical sensor based on Zn@ZnO core-shell structures obtained via pulsed laser ablation for selective determination of hydroquinone. Environmental Research, 2022, 204, 112340.	7.5	18
74	Effect of Operational Parameters on the Degradation of Methylene Blue Using Visible Light Active BiVO₄ Photocatalyst. Bulletin of the Korean Chemical Society, 2020, 41, 304-309.	1.9	17
75	Novel approach for the synthesis and recovery of lithium carbonate using a pulsed laser irradiation technique. Materials Letters, 2022, 308, 131218.	2.6	17
76	Fabrication of Ruâ€“CoFe2O4/RGO hierarchical nanostructures for high-performance photoelectrodes to reduce hazards Cr(VI) into Cr(III) coupled with anodic oxidation of phenols. Chemosphere, 2022, 299, 134439.	8.2	17
77	Enhanced Catalytic Dechlorination of 1,2-Dichlorobenzene Using Ni/Pd Bimetallic Nanoparticles Prepared by a Pulsed Laser Ablation in Liquid. Catalysts, 2018, 8, 390.	3.5	16
78	Surface tuned polyethersulfone membrane using an iron oxide functionalized halloysite nanocomposite for enhanced humic acid removal. Environmental Research, 2022, 204, 112113.	7.5	16
79	Implementation of novel pulsed laser ablation strategy to control the morphological growth and enrich the electrochemically active sites of multifunctional Niâ€“CuO electrocatalyst. Journal of Alloys and Compounds, 2022, 901, 163446.	5.5	16
80	Direct observation of aluminium ions produced via pulsed laser ablation in liquid: a â€˜turn-onâ€™ fluorescence study. Physical Chemistry Chemical Physics, 2012, 14, 15677.	2.8	15
81	Fluorescence imaging for Fe³⁺ in Arabidopsis by using simple naphthalene-based ligands. RSC Advances, 2016, 6, 53912-53918.	3.6	15
82	Effects of particle size and polymorph type of TiO2 on the properties of BaTiO3 nanopowder prepared by solid-state reaction. Environmental Research, 2021, 202, 111668.	7.5	15
83	Improved visible light photocatalytic degradation of yttrium doped NiMgAl layered triple hydroxides for the effective removal of methylene blue dye. Chemosphere, 2022, 290, 133299.	8.2	15
84	Cation modulation in dual-phase nickel sulfide nanospheres by pulsed laser irradiation for overall water splitting and methanol oxidation reaction. Fuel, 2022, 320, 123915.	6.4	15
85	Enhanced dechlorination of m-DCB using iron@graphite/palladium (Fe@C/Pd) nanoparticles produced by pulsed laser ablation in liquid. Chemosphere, 2016, 155, 250-256.	8.2	14
86	Facile one-pot synthesis of CuCN by pulsed laser ablation in nitrile solvents and mechanistic studies using quantum chemical calculations. Scientific Reports, 2021, 11, 14389.	3.3	14
87	Bimetallic nickel-palladium nanoparticles with low Ni content and their enhanced ethanol oxidation performance: Using a pulsed laser as modification machinery. Fuel, 2022, 321, 124108.	6.4	14
88	Facile Preparation of <scp>Cu₂O</scp> and <scp>CuO</scp> Nanoparticles by Pulsed Laser Ablation in <scp>NaOH</scp> Solutions of Different Concentration. Bulletin of the Korean Chemical Society, 2015, 36, 3-4.	1.9	13
89	Coâ€Assembled Supramolecular Nanostructure of Platinum(II) Complex through Helical Ribbon to Helical Tubes with Helical Inversion. Angewandte Chemie, 2019, 131, 11835-11840.	2.0	13
90	Architecture of visible-light induced Z-scheme MoS2/g-C3N4/ZnO ternary photocatalysts for malachite green dye degradation. Environmental Research, 2022, 214, 113742.	7.5	13

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91	Conformationally resolved structures of jet-cooled acetaminophen by UVâ€“UV hole-burning spectroscopy. Physical Chemistry Chemical Physics, 2011, 13, 16537.	2.8	12
92	Temperature-controlled helical inversion of asymmetric triphenylamine-based supramolecular polymers; difference of handedness at the micro- and macroscopic levels. Organic Chemistry Frontiers, 2019, 6, 1100-1108.	4.5	12
93	Rapid alloying of Auâ€“Pd nanospheres by a facile pulsed laser technique: Insights into a molar-dependent electrocatalytic methanol oxidation reaction. Journal of Alloys and Compounds, 2022, 891, 162011.	5.5	12
94	Conformational structures of 3-cyanoindole-(H2O) (n= 0â€“2): Franckâ€“Condon simulations. Chemical Physics Letters, 2014, 616-617, 55-60.	2.6	11
95	Conformational structures of 3-cyanoindole-(H 2 O) n (n = 0â€“2) by UVâ€“UV hole-burning and IR-dip spectroscopy. Chemical Physics Letters, 2014, 614, 263-268.	2.6	11
96	Conformational structures of jet-cooled acetaminophenâ€“water clusters: a gas phase spectroscopic and computational study. Physical Chemistry Chemical Physics, 2017, 19, 4840-4848.	2.8	11
97	Cyanostilbene-Based Supramolecular Polymerization from One-Dimensional to Two-Dimensional Nanostructures via Photoreactions. Journal of Physical Chemistry C, 2018, 122, 22143-22149.	3.1	11
98	In-situ thermal phase transition and structural investigation of ferroelectric tetragonal barium titanate nanopowders with pseudo-cubic phase. Chemosphere, 2021, 283, 131218.	8.2	11
99	Imidazole dimer and its water complexes formed in superfluid helium nanodroplets: Infrared spectroscopic studies of free OH vibrational stretching modes. Chemical Physics Letters, 2009, 477, 276-280.	2.6	10
100	Watching the growth of aluminum hydroxide nanoparticles from aluminum nanoparticles synthesized by pulsed laser ablation in aqueous surfactant solution. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	10
101	NMR detection of chirality and enantiopurity of amines by using benzene tricarboxamide-based hydrogelators as chiral solvating agents. New Journal of Chemistry, 2016, 40, 7917-7922.	2.8	10
102	Origin of Both Right- and Left-Handed Helicities in a Supramolecular Gel with and without Ni²⁺ at the Supramolecular Level. Inorganic Chemistry, 2018, 57, 16-19.	4.0	10
103	Terpyridine-based complex nanofibers with Eu3+ as a highly selective chemical probes for UO22+. Journal of Hazardous Materials, 2019, 378, 120713.	12.4	10
104	Vibrational spectroscopy of xanthine in superfluid helium nanodroplets. Chemical Physics Letters, 2009, 475, 24-29.	2.6	9
105	Silane-treated BaTiO3 ceramic powders for multilayer ceramic capacitor with enhanced dielectric properties. Chemosphere, 2022, 286, 131734.	8.2	9
106	Helium Nanodroplet Study of the Hydrogen-Bonded OH Vibrations in HClâ€“H₂O Clusters. Journal of Physical Chemistry A, 2015, 119, 2636-2643.	2.5	7
107	Pulsed laser irradiation synthesis of lead selenide quantum dots from lead and selenium salts in various surfactants. Materials Chemistry and Physics, 2018, 217, 427-436.	4.0	7
108	NTA-Functionalized Gold Nanoparticles for Visual Detection of Uranyl Ion. Bulletin of the Korean Chemical Society, 2013, 34, 2183-2186.	1.9	7

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109	Electronic and vibrational spectroscopic studies of jet-cooled 5-cyanoindole and its water clusters, 5CIâ€“(H2O) , (n= 0â€“2). Chemical Physics Letters, 2016, 658, 63-70.	2.6	6
110	Isomer-Specific Induced Circular Dichroism Spectroscopy of Jet-Cooled Phenol Complexes with (â˜)-Methyl l-Lactate. Journal of Physical Chemistry Letters, 2018, 9, 476-480.	4.6	6
111	Infrared spectroscopy of ions and ionic clusters upon ionization of ethane in helium droplets. Journal of Chemical Physics, 2022, 156, .	3.0	6
112	Solvent Acting as a Precursor: Synthesis of <scp>AgCN</scp> From <scp>AgNO₃</scp> in N,Nâ€<scp>DMF</scp> Solvent by Laser Ablation. Bulletin of the Korean Chemical Society, 2017, 38, 136-139.	1.9	5
113	Highly selective chromogenic probe for cesium ions prepared from an electrospun film of self-assembled benzenetricarboxyamide nanofibers. Sensors and Actuators B: Chemical, 2018, 255, 325-331.	7.8	5
114	Preparation of Ruthenium Incorporated Heterogeneous Catalysts Using Hydroxyapatite as Catalytic Supports for Aerobic Oxidation of Alcohols. Bulletin of the Korean Chemical Society, 2013, 34, 221-224.	1.9	5
115	Multifunctional photoâ€electrocatalysts of copper sulfides prepared via pulsed laser ablation in liquid: Phase formation kinetics and photoâ€electrocatalytic activity. International Journal of Energy Research, 2022, 46, 8201-8217.	4.5	5
116	Lithium inserted ZnSnN2 thin films for solar absorber: n to p-type conversion. Materials Today Chemistry, 2022, 25, 100957.	3.5	5
117	Highly Sensitive Hydrazine Chemical Sensor Based on CNT-PdPt Nanocomposites. Journal of Nanomaterials, 2015, 2015, 1-10.	2.7	4
118	Pulse laser irradiation of electrospun TiO2 nanofibers for the crystalline phase control and enhanced photocatalytic activity. Materials Letters, 2016, 181, 59-62.	2.6	4
119	Copper(I) Complexes Based on Pentamethylene Sulfide: Luminescence Thermochromism of Cu₄I₄(C₅H₁₀S)₄. Bulletin of the Korean Chemical Society, 2018, 39, 1139-1143.	1.9	4
120	Colorimetric Detection of UO²⁺₂ Using Gold Nanoparticles Immobilized with Pillar[5]arene Complexes with Nitrophenyldiacetic Acids as a Chemoprobe. Journal of Nanoscience and Nanotechnology, 2019, 19, 2903-2908.	0.9	4
121	Preparation and Characterization of Acrylated-SiO₂@TiO₂ Hollow Hybrid Nanospheres. Journal of Nanoscience and Nanotechnology, 2011, 11, 3696-3700.	0.9	3
122	Rutheniumâ€Incorporated Hydroxyapatites for the Oxidation of Alcohols and Amines Using Molecular Oxygen as an Oxidant. Bulletin of the Korean Chemical Society, 2015, 36, 1-2.	1.9	3
123	Colorimetric Sensor for Zn(<scp>II</scp>) Using Induced Aggregation of Functionalized Gold Nanoparticles. Bulletin of the Korean Chemical Society, 2015, 36, 2408-2410.	1.9	3
124	Photodissociation kinetics of the isobutanal radical cation: a combined experimental and theoretical study. RSC Advances, 2017, 7, 47689-47694.	3.6	3
125	Preparation, Characterization, and Catalytic Properties of Pd-Graphene Quantum Dot Catalysts. Catalysts, 2022, 12, 619.	3.5	3
126	Spectroscopic study of jet-cooled indole-3-carbinol by laser desorption technique: Franckâ€“Condon simulations and anharmonic calculations. Chemical Physics Letters, 2015, 638, 237-243.	2.6	2

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127	Spectroscopic Study of the Salicyladazine Derivativeâ€“UO22+ Complex and Its Immobilization to Mesoporous Silica. Nanomaterials, 2019, 9, 688.	4.1	2
128	Fabrication of BixPdy bimetallic materials characterized by catalytic activity at low temperature: Nitro reduction and Suzukiâ^'Miyaura coupling reactions under green conditions. Current Applied Physics, 2019, 19, 762-767.	2.4	2
129	Basic principles in energy conversion and storage. , 2020, , 1-14.		2
130	2D advanced materials and technologies for industrial wastewater treatment. Chemosphere, 2021, 284, 131394.	8.2	2
131	Crystal structure of N,Nâ€²-bis[3-(methylsulfanyl)propyl]-1,8:4,5-naphthalenetetracarboxylic diimide. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 934-938.	0.5	2
132	Copper Ion Selective Membrane Electrode Based on Bis(salphenH₂) Derivatives. Sensor Letters, 2010, 8, 297-302.	0.4	2
133	Simple Crystal Phase Control of TiO2Nanoparticles via Pulsed Laser Ablation in Nitric Acid. Bulletin of the Korean Chemical Society, 2013, 34, 3909-3911.	1.9	2
134	Powerâ€dependent Photocatalytic Activity of ZnO. Bulletin of the Korean Chemical Society, 2017, 38, 410-413.	1.9	1
135	Conformationally resolved spectroscopy of jet-cooled methacetin. Chemical Physics Letters, 2017, 688, 26-32.	2.6	1
136	A Simple Naphthamidoâ€based Fluorescent Chemoprobe for the Detection of Uranyl Ions. Bulletin of the Korean Chemical Society, 2018, 39, 671-674.	1.9	1
137	Editorial to surface tailored innovative materials and technologies for wastewater treatment. Environmental Pollution, 2021, 284, 117436.	7.5	1
138	Crystal structure ofN,Nâ€²-didecylpyromellitic diimide. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 838-841.	0.5	1
139	Strong Light-Matter Interaction in ZnO Nanowires. Bulletin of the Korean Chemical Society, 2014, 35, 1229-1232.	1.9	1
140	Crystal structure of fluroxypyr. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1836-1838.	0.5	1
141	Surface tuning and interface engineering of advanced materials for detection and removal of toxic pollutants from industrial wastewater. Environmental Research, 2022, 210, 112950.	7.5	1
142	Spectroscopic Study of Jetâ€cooled Indoleâ€3â€carbinol by Thermal Evaporation. Bulletin of the Korean Chemical Society, 2016, 37, 1552-1553.	1.9	0
143	Electrocatalytic Oxidation of Hydrazine on Ptâ€decorated Graphene Oxide in Strongly Acidic Media. Bulletin of the Korean Chemical Society, 2017, 38, 591-592.	1.9	0
144	Crystal structure ofN-[2-(cyclohexylsulfanyl)ethyl]quinolinic acid imide. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 1372-1374.	0.5	0

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145	Induced Circular Dichroism of Jet-Cooled Phenol Complexes with (R)-(â˜)-2-Butanol. Journal of Physical Chemistry A, 2019, 123, 8913-8920.	2.5	0
146	Chemical Shift and <scp>Secondâ€Order</scp> Quadrupolar Effects in the Solidâ€State <scp>¹³³Cs NMR</scp> Spectra of [Cs⁺(Cryptand[2.2.2])]X (Xâ€‰=â€‰I^{â˜},) Tj ET Q q 0 0 0 rg	1.9	0
147	Crystal structure of 2,6-bis(2-(pyridin-3-yl)ethyl)pyrrolo[3,4-f]isoindole-1,3,5,7(2H,6H)-tetraone, C₂₄H₁₈N₄O₄. Zeitschrift Fur Kristallographie - New Crystal Structures, 2021, 236, 527-529.	0.3	0
148	Synthesis of Ru Incorporated TiO₂and Application to Oxidation of Benzyl Alcohol with Molecular Oxygen. Applied Chemistry for Engineering, 2014, 25, 645-647.	0.2	0
149	Oxide-free materials for thermoelectric and piezoelectric applications. , 2022, , 435-450.		0
150	Spectroscopic and theoretical studies of jetâ€cooled 3â€cyanoindole ammonia clusters in the gas phase. Bulletin of the Korean Chemical Society, 0, , .	1.9	0