

# Tae-kyu Kim

## List of Publications by Year in descending order

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159  
papers

6,172  
citations

50276

46  
h-index

76900

74  
g-index

163  
all docs

163  
docs citations

163  
times ranked

6268  
citing authors

#	ARTICLE	IF	CITATIONS
1	Noble metal free few-layered perovskite-based Ba <sub>2</sub> NbFeO <sub>6</sub> nanostructures on exfoliated g-C <sub>3</sub> N <sub>4</sub> layers as highly efficient catalysts for enhanced solar fuel production. Applied Surface Science, 2022, 572, 151406.	6.1	4
2	Impact of the number of surface-attached tungsten diselenide layers on cadmium sulfide nanorods on the charge transfer and photocatalytic hydrogen evolution rate. Journal of Colloid and Interface Science, 2022, 608, 903-911.	9.4	9
3	Highly Durable and Fully Dispersed Cobalt Diatomic Site Catalysts for CO <sub>2</sub> Photoreduction to CH <sub>4</sub> . Angewandte Chemie, 2022, 134, .	2.0	20
4	Highly Durable and Fully Dispersed Cobalt Diatomic Site Catalysts for CO <sub>2</sub> Photoreduction to CH <sub>4</sub> . Angewandte Chemie - International Edition, 2022, 61, .	13.8	83
5	Effective dye degradation by an environment-friendly porous few-layered carbon nitride photocatalyst developed using sequential molecule self-assembly. Environmental Research, 2022, 204, 112362.	7.5	4
6	Development of an experimental apparatus to observe ultrafast phenomena by tender X-ray absorption spectroscopy at PAL-XFEL. Journal of Synchrotron Radiation, 2022, 29, 194-201.	2.4	1
7	Augmented photoelectrochemical water reduction: influence of copper vacancies and hole-transport layer on CuBi <sub>2</sub> O <sub>4</sub> photocathode. Journal of Materials Chemistry A, 2022, 10, 6623-6635.	10.3	12
8	Ultrathin layered Zn-doped MoS <sub>2</sub> nanosheets deposited onto CdS nanorods for spectacular photocatalytic hydrogen evolution. Journal of Alloys and Compounds, 2022, 905, 164193.	5.5	17
9	<i>In situ</i> growth of Ag <sub>2</sub> S quantum dots on SnS <sub>2</sub> nanosheets with enhanced charge separation efficiency and CO <sub>2</sub> reduction performance. Journal of Materials Chemistry A, 2022, 10, 7291-7299.	10.3	13
10	Construction of 1D TiO <sub>2</sub> nanotubes integrated ultrathin 2D ZnIn <sub>2</sub> S <sub>4</sub> nanosheets heterostructure for highly efficient and selective photocatalytic CO <sub>2</sub> reduction. Applied Surface Science, 2022, 587, 152895.	6.1	26
11	Inverse Opal CuBi <sub>2</sub> O <sub>4</sub> Photocathodes for Robust Photoelectrochemical Water Splitting. ACS Applied Energy Materials, 2022, 5, 6050-6058.	5.1	12
12	Long-Term Exposure of MoS <sub>2</sub> to Oxygen and Water Promoted Armchair-to-Zigzag-Directional Line Unzippings. Nanomaterials, 2022, 12, 1706.	4.1	3
13	Boosting charge transfers in cadmium sulfide nanorods with a few layered Ni-doped MoS <sub>2</sub> nanosheets for enhanced photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2022, 47, 40218-40226.	7.1	11
14	Pyrrolic N-Stabilized Monovalent Ni Single-Atom Electrocatalyst for Efficient CO <sub>2</sub> Reduction: Identifying the Role of Pyrrolic N and Synergistic Electrocatalysis. Advanced Functional Materials, 2022, 32, .	14.9	40
15	Cobalt doping stabilizes the expanded structure of layered double hydroxide cathodes for application in fast charging Ni-Zn batteries. Journal of Applied Electrochemistry, 2022, 52, 1449-1458.	2.9	1
16	Skeletal Cu <sub>7</sub> S <sub>4</sub> Nanocages Wrapped by Few-Layered Black Phosphorus Nanosheets as an Efficient H <sub>2</sub> Production Photocatalyst. ChemCatChem, 2021, 13, 304-312.	3.7	17
17	Recent advances in metal-organic framework-based photocatalysts for hydrogen production. Sustainable Energy and Fuels, 2021, 5, 1597-1618.	4.9	39
18	Shot noise limited soft x-ray absorption spectroscopy in solution at a SASE-FEL using a transmission grating beam splitter. Structural Dynamics, 2021, 8, 014303.	2.3	7

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19	Following Metal-to-Ligand Charge-Transfer Dynamics with Ligand and Spin Specificity Using Femtosecond Resonant Inelastic X-ray Scattering at the Nitrogen K-Edge. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6676-6683.	4.6	12
20	Time-resolved X-ray Absorption Spectroscopy of Solvated $[\text{Ru}(\text{bpy})_3]^{2+}$ Complex: Electronic Structures of $^3\text{T}_{1g}$ State. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 1379-1382.	1.9	1
21	Boosting Water Oxidation Performance of $\text{BiVO}_4$ Photoanode by Vertically Stacked NiO Nanosheets Coupled with Atomically Dispersed Iridium Sites. <i>ACS Applied Energy Materials</i> , 2021, 4, 11353-11366.	5.1	20
22	Exposure of NiFe-LDH active sites by cation exchange to promote photoelectrochemical water splitting performance. <i>Applied Surface Science</i> , 2021, 570, 151134.	6.1	17
23	In situ preparation of polymeric cobalt phthalocyanine decorated TiO <sub>2</sub> nanorods for efficient photocatalytic CO <sub>2</sub> reduction. <i>Materials Today Chemistry</i> , 2021, 22, 100589.	3.5	12
24	Ligand-Field Effects in a Ruthenium(II) Polypyridyl Complex Probed by Femtosecond X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 12165-12172.	4.6	3
25	Facile synthesis of cauliflower-like cobalt-doped Ni <sub>3</sub> Se <sub>2</sub> nanostructures as high-performance cathode materials for aqueous zinc-ion batteries. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 7741-7750.	7.1	16
26	Highly efficient hydrogen generation in water using 1D CdS nanorods integrated with 2D SnS <sub>2</sub> nanosheets under solar light irradiation. <i>Applied Surface Science</i> , 2020, 508, 144803.	6.1	39
27	Synergetic catalytic behavior of dual metal-organic framework coated hematite photoanode for photoelectrochemical water splitting performance. <i>Journal of Catalysis</i> , 2020, 391, 471-479.	6.2	23
28	Construction of a Highly Efficient and Durable 1D Ternary CdS/ZnS/Pt Nanohybrid Catalyst for Photocatalytic CO <sub>2</sub> Reduction into Chemical Fuels under Solar Light Irradiation. <i>ACS Applied Energy Materials</i> , 2020, 3, 10533-10540.	5.1	29
29	Indium Phosphide Quantum Dots Integrated with Cadmium Sulfide Nanorods for Photocatalytic Carbon Dioxide Reduction. <i>ChemCatChem</i> , 2020, 12, 4550-4557.	3.7	20
30	In situ addition of Ni salt onto a skeletal Cu <sub>7</sub> S <sub>4</sub> integrated CdS nanorod photocatalyst for efficient production of H <sub>2</sub> under solar light irradiation. <i>Catalysis Science and Technology</i> , 2020, 10, 3542-3551.	4.1	20
31	Constructing ordered paths to improve the charge separation and light harvesting capacity towards efficient solar water oxidation performance. <i>Applied Catalysis B: Environmental</i> , 2020, 269, 118761.	20.2	30
32	Significant Improvements on $\text{BiVO}_4$ @CoPi Photoanode Solar Water Splitting Performance by Extending Visible-Light Harvesting Capacity and Charge Carrier Transportation. <i>ACS Applied Energy Materials</i> , 2020, 3, 4474-4483.	5.1	38
33	Ultra-small cobalt nanocrystals embedded in 2D-MoS <sub>2</sub> nano-sheets as efficient co-catalyst for solar-driven hydrogen production: Study of evolution rate dependence on cobalt nanocrystal size. <i>Applied Surface Science</i> , 2019, 494, 239-248.	6.1	11
34	Hollow CoSe <sub>2</sub> nanocages derived from metal-organic frameworks as efficient non-precious metal co-catalysts for photocatalytic hydrogen production. <i>Catalysis Science and Technology</i> , 2019, 9, 4702-4710.	4.1	10
35	Using Ultrafast X-ray Spectroscopy To Address Questions in Ligand-Field Theory: The Excited State Spin and Structure of $[\text{Fe}(\text{dcp})_2]^{2+}$ . <i>Inorganic Chemistry</i> , 2019, 58, 9341-9350.	4.0	29
36	UV-photochemistry of the biologically relevant thiol group and the disulfide bond: Evolution of early photoproducts from picosecond X-ray absorption spectroscopy at the sulfur K-Edge. <i>EPJ Web of Conferences</i> , 2019, 205, 09006.	0.3	0

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37	Few layered black phosphorus/MoS <sub>2</sub> nanohybrid: A promising co-catalyst for solar driven hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019, 241, 491-498.	20.2	146
38	Multidirectional-charge-transfer urchin-type Mo-doped W <sub>18</sub> O <sub>49</sub> nanostructures on CdS nanorods for enhanced photocatalytic hydrogen evolution. <i>Catalysis Science and Technology</i> , 2018, 8, 1880-1891.	4.1	26
39	Influence of surface-functionalized multi-walled carbon nanotubes on CdS nanohybrids for effective photocatalytic hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2018, 236, 294-303.	20.2	78
40	Designing CdS Mesoporous Networks on Co@Co <sub>9</sub> S <sub>8</sub> Double Shelled Nanocages as Redox Mediator-Free Z-Scheme Photocatalyst. <i>ChemSusChem</i> , 2018, 11, 245-253.	6.8	74
41	Noble metal-free metal-organic framework-derived onion slice-type hollow cobalt sulfide nanostructures: Enhanced activity of CdS for improving photocatalytic hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 230-238.	20.2	93
42	Drastic Improvement of 1D-CdS Solar-Driven Photocatalytic Hydrogen Evolution Rate by Integrating with NiFe Layered Double Hydroxide Nanosheets Synthesized by Liquid-Phase Pulsed-Laser Ablation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16734-16743.	6.7	45
43	Enhanced Photocatalytic Hydrogen Evolution by Integrating Dual Co-Catalysts on Heterophase CdS Nano-Junctions. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12835-12844.	6.7	73
44	UV-Photochemistry of the Disulfide Bond: Evolution of Early Photoproducts from Picosecond X-ray Absorption Spectroscopy at the Sulfur K-Edge. <i>Journal of the American Chemical Society</i> , 2018, 140, 6554-6561.	13.7	30
45	Transient metal-centered states mediate isomerization of a photochromic ruthenium-sulfoxide complex. <i>Nature Communications</i> , 2018, 9, 1989.	12.8	29
46	Tuning Band Alignments and Charge-Transport Properties through MoSe <sub>2</sub> Bridging between MoS <sub>2</sub> and Cadmium Sulfide for Enhanced Hydrogen Production. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 26153-26161.	8.0	43
47	Hydrogenation of 4-nitrophenol to 4-aminophenol at room temperature: Boosting palladium nanocrystals efficiency by coupling with copper via liquid phase pulsed laser ablation. <i>Applied Surface Science</i> , 2017, 401, 314-322.	6.1	56
48	Heterostructured WS <sub>2</sub> @MoS <sub>2</sub> Ultrathin Nanosheets Integrated on CdS Nanorods to Promote Charge Separation and Migration and Improve Solar-Driven Photocatalytic Hydrogen Evolution. <i>ChemSusChem</i> , 2017, 10, 1563-1570.	6.8	150
49	Development of an Arsenobetaine Standard Solution with Metrological Traceability to the $^{65}\text{Zn}$ by an Arsenic-Specific Mass Balance Method. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 237-245.	1.9	1
50	Light-Induced Radical Formation and Isomerization of an Aromatic Thiol in Solution Followed by Time-Resolved X-ray Absorption Spectroscopy at the Sulfur K-Edge. <i>Journal of the American Chemical Society</i> , 2017, 139, 4797-4804.	13.7	26
51	Development of a Paste-type Certified Reference Material of Tomato for Elemental Analysis: Certification and Long-term Stability Study. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 211-218.	1.9	8
52	Ultrathin MoS <sub>2</sub> layers anchored exfoliated reduced graphene oxide nanosheet hybrid as a highly efficient cocatalyst for CdS nanorods towards enhanced photocatalytic hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2017, 212, 7-14.	20.2	167
53	In situ preparation of few-layered WS <sub>2</sub> nanosheets and exfoliation into bilayers on CdS nanorods for ultrafast charge carrier migrations toward enhanced photocatalytic hydrogen production. <i>Journal of Catalysis</i> , 2017, 351, 153-160.	6.2	98
54	Hierarchical BiOI nanostructures supported on a metal organic framework as efficient photocatalysts for degradation of organic pollutants in water. <i>Dalton Transactions</i> , 2017, 46, 6013-6023.	3.3	95

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55	Hydrazine-assisted formation of ultrathin MoS <sub>2</sub> nanosheets for enhancing their co-catalytic activity in photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6981-6991.	10.3	120
56	Modulation of charge carrier pathways in CdS nanospheres by integrating MoS <sub>2</sub> and Ni <sub>2</sub> P for improved migration and separation toward enhanced photocatalytic hydrogen evolution. <i>Catalysis Science and Technology</i> , 2017, 7, 641-649.	4.1	76
57	Earth abundant transition metal-doped few-layered MoS <sub>2</sub> nanosheets on CdS nanorods for ultra-efficient photocatalytic hydrogen production. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20851-20859.	10.3	75
58	Formation of hybrid nanostructures comprising perovskite (Ba <sub>5</sub> Nb <sub>4</sub> O <sub>15</sub> )-MoS <sub>2</sub> ultrathin nanosheets on CdS nanorods: Toward enhanced solar-driven H <sub>2</sub> production. <i>Journal of Catalysis</i> , 2017, 352, 617-626.	6.2	15
59	Optimization of Active Sites of MoS <sub>2</sub> Nanosheets Using Nonmetal Doping and Exfoliation into Few Layers on CdS Nanorods for Enhanced Photocatalytic Hydrogen Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7651-7658.	6.7	73
60	Synthesis of Ultra-small Palladium Nanoparticles Deposited on CdS Nanorods by Pulsed Laser Ablation in Liquid: Role of Metal Nanocrystal Size in the Photocatalytic Hydrogen Production. <i>Chemistry - A European Journal</i> , 2017, 23, 13112-13119.	3.3	59
61	Excellent photocatalytic hydrogen production over CdS nanorods via using noble metal-free copper molybdenum sulfide (Cu <sub>2</sub> MoS <sub>4</sub> ) nanosheets as co-catalysts. <i>Applied Surface Science</i> , 2017, 396, 421-429.	6.1	100
62	Monitoring Excited State Charge Transfer of Transition Metal Mixed-Valence Complexes with Femtosecond X-ray Absorption and Emission Spectroscopy. , 2016, . .		1
63	Controlled synthesis of heterostructured Ag@AgI/ZnS microspheres with enhanced photocatalytic activity and selective separation of methylene blue from mixture dyes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 66, 200-209.	5.3	41
64	Reactivity of molecular oxygen with aluminum clusters: Density functional and <i>Ab Initio</i> molecular dynamics simulation study. <i>International Journal of Quantum Chemistry</i> , 2016, 116, 547-554.	2.0	4
65	Anionic precursor-mediated morphology-controlled synthesis of ZnS nanostructures: Morphology-dependent tunable photoluminescence in the visible region and pulsed laser-induced efficient reduction of Cr(VI). <i>Ceramics International</i> , 2016, 42, 12046-12054.	4.8	15
66	Well-wrapped reduced graphene oxide nanosheets on Nb <sub>3</sub> O <sub>7</sub> (OH) nanostructures as good electron collectors and transporters for efficient photocatalytic degradation of rhodamine B and phenol. <i>RSC Advances</i> , 2016, 6, 37180-37188.	3.6	39
67	Ground and low-lying excited states of PtCN and PdCN: theoretical investigation including spin-orbit coupling. <i>Theoretical Chemistry Accounts</i> , 2016, 135, 1.	1.4	6
68	Hierarchical dandelion-flower-like cobalt-phosphide modified CdS/reduced graphene oxide-MoS <sub>2</sub> nanocomposites as a noble-metal-free catalyst for efficient hydrogen evolution from water. <i>Catalysis Science and Technology</i> , 2016, 6, 6197-6206.	4.1	131
69	Transformation of CeO <sub>2</sub> into a mixed phase CeO <sub>2</sub> /Ce <sub>2</sub> O <sub>3</sub> nanohybrid by liquid phase pulsed laser ablation for enhanced photocatalytic activity through Z-scheme pattern. <i>Ceramics International</i> , 2016, 42, 18495-18502.	4.8	103
70	Rational Synthesis of Metal-Organic Framework-Derived Noble Metal-Free Nickel Phosphide Nanoparticles as a Highly Efficient Cocatalyst for Photocatalytic Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 7158-7166.	6.7	131
71	Self-assembly of CeO <sub>2</sub> nanostructures/reduced graphene oxide composite aerogels for efficient photocatalytic degradation of organic pollutants in water. <i>Journal of Alloys and Compounds</i> , 2016, 688, 527-536.	5.5	130
72	Multicomponent transition metal phosphides derived from layered double hydroxide double-shelled nanocages as an efficient non-precious co-catalyst for hydrogen production. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13890-13898.	10.3	102

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73	An oxygen-vacancy rich 3D novel hierarchical MoS <sub>2</sub> /BiOI/AgI ternary nanocomposite: enhanced photocatalytic activity through photogenerated electron shuttling in a Z-scheme manner. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 24984-24993.	2.8	119
74	Reduced-graphene-oxide-wrapped BiOI-AgI heterostructured nanocomposite as a high-performance photocatalyst for dye degradation under solar light irradiation. <i>Solid State Sciences</i> , 2016, 61, 32-39.	3.2	52
75	Zeolitic imidazolate framework-67 (ZIF-67) rhombic dodecahedrons as full-spectrum light harvesting photocatalyst for environmental remediation. <i>Solid State Sciences</i> , 2016, 62, 82-89.	3.2	60
76	Noble metal-free ultrathin MoS <sub>2</sub> nanosheet-decorated CdS nanorods as an efficient photocatalyst for spectacular hydrogen evolution under solar light irradiation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18551-18558.	10.3	118
77	Self-Assembled Silica Nanostructures: Simultaneous Discrimination of Handedness, Pitch and Diameter of Helical Silica Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 1988-1992.	0.9	1
78	Electronic and Molecular Structure of the Transient Radical Photocatalyst Mn(CO) <sub>5</sub> and Its Parent Compound Mn <sub>2</sub> (CO) <sub>10</sub> . <i>Inorganic Chemistry</i> , 2016, 55, 5895-5903.	4.0	19
79	Tracking reaction dynamics in solution by pump-probe X-ray absorption spectroscopy and X-ray liquidography (solution scattering). <i>Chemical Communications</i> , 2016, 52, 3734-3749.	4.1	35
80	Performance of Density Functional Theory and Relativistic Effective Core Potential for Ru-Based Organometallic Complexes. <i>Journal of Physical Chemistry A</i> , 2016, 120, 2128-2134.	2.5	11
81	Surface oxygen vacancy assisted electron transfer and shuttling for enhanced photocatalytic activity of a Z-scheme CeO <sub>2</sub> -AgI nanocomposite. <i>RSC Advances</i> , 2016, 6, 19341-19350.	3.6	131
82	Time-Resolved X-ray Spectroscopy in the Water Window: Elucidating Transient Valence Charge Distributions in an Aqueous Fe(II) Complex. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 465-470.	4.6	50
83	Effects of Laser Energy Density on Size and Morphology of NiO Nanoparticles Prepared by Pulsed Laser Ablation in Liquid. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 5-6.	1.9	7
84	Efficient photocatalytic degradation of methylene blue by heterostructured ZnO-RGO/RuO <sub>2</sub> nanocomposite under the simulated sunlight irradiation. <i>Ceramics International</i> , 2015, 41, 6999-7009.	4.8	73
85	Green synthesis of AgI nanoparticle-functionalized reduced graphene oxide aerogels with enhanced catalytic performance and facile recycling. <i>RSC Advances</i> , 2015, 5, 67394-67404.	3.6	103
86	Green synthesis of the reduced graphene oxide-CuI quasi-shell-core nanocomposite: A highly efficient and stable solar-light-induced catalyst for organic dye degradation in water. <i>Applied Surface Science</i> , 2015, 358, 159-167.	6.1	48
87	Synthesis of CeO <sub>2</sub> /Pd nanocomposites by pulsed laser ablation in liquids for the reduction of 4-nitrophenol to 4-aminophenol. <i>Ceramics International</i> , 2015, 41, 12432-12438.	4.8	40
88	Synthesis and detailed spectroscopic characterization of various hydroxy-functionalized fluorescent chalcones: A combined experimental and theoretical study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 150, 557-564.	3.9	17
89	Green synthesis of AgI-reduced graphene oxide nanocomposites: Toward enhanced visible-light photocatalytic activity for organic dye removal. <i>Applied Surface Science</i> , 2015, 341, 175-184.	6.1	95
90	Self-assembled macro porous Zn-graphene aerogels for photocatalytic degradation of contaminants in water. <i>RSC Advances</i> , 2015, 5, 18342-18351.	3.6	108



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91	Element-Specific Characterization of Transient Electronic Structure of Solvated Fe(II) Complexes with Time-Resolved Soft X-ray Absorption Spectroscopy. <i>Accounts of Chemical Research</i> , 2015, 48, 2957-2966.	15.6	30
92	Identifying the major intermediate species by combining time-resolved X-ray solution scattering and X-ray absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 23298-23302.	2.8	15
93	Enhanced photocatalytic activity and anti-photocorrosion of AgI nanostructures by coupling with graphene-analogue boron nitride nanosheets. <i>Ceramics International</i> , 2015, 41, 13793-13803.	4.8	90
94	Liquid-phase pulsed laser ablation synthesis of graphitized carbon-encapsulated palladium core-shell nanospheres for catalytic reduction of nitrobenzene to aniline. <i>Applied Surface Science</i> , 2015, 357, 2112-2120.	6.1	46
95	Reduced graphene oxide wrapped ZnS-Ag <sub>2</sub> S ternary composites synthesized via hydrothermal method: Applications in photocatalyst degradation of organic pollutants. <i>Applied Surface Science</i> , 2015, 324, 725-735.	6.1	145
96	Excited State Structural Dynamics Probed with Time-Resolved Sulfur K-Edge X-Ray Absorption Spectroscopy. <i>Springer Proceedings in Physics</i> , 2015, , 403-406.	0.2	1
97	Magnetic-Field-Dependent Fraunhofer Diffraction Pattern by 4f Imaging System in Transparent Magneto-optic Thin Film. <i>Springer Proceedings in Physics</i> , 2015, , 320-322.	0.2	0
98	Thick-lens velocity-map imaging spectrometer with high resolution for high-energy charged particles. <i>Journal of Instrumentation</i> , 2014, 9, P05005-P05005.	1.2	49
99	The influence of laser wavelength and fluence on palladium nanoparticles produced by pulsed laser ablation in deionized water. <i>Solid State Sciences</i> , 2014, 37, 96-102.	3.2	36
100	Development of Isotope Dilution LC-MS/MS Method for Accurate Determination of Arsenobetaine in Oyster Certified Reference Material. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 821-827.	1.9	6
101	Excited State Structural Dynamics Probed with Time-Resolved Sulfur K-edge X-ray Absorption Spectroscopy. , 2014, , .		0
102	Tracking Electronic and Molecular Structural Dynamics during Dissociation of the Photocatalyst Mn <sub>2</sub> (CO) <sub>10</sub> via Time-Resolved X-Ray Spectroscopy. , 2014, , .		0
103	Density Functional Theory Assessment of Molecular Structures and Energies of Neutral and Anionic Al <sub>n</sub> (n = 2-10) Clusters. <i>Journal of Physical Chemistry A</i> , 2013, 117, 9293-9303.	2.5	41
104	Strong Spin-Orbit Coupling Facilitates C-H Activation in the Reactions of Os <sup>+</sup> with CH <sub>3</sub> F: Theoretical Investigations. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 1087-1092.	5.3	8
105	Global Reaction Pathways in the Photodissociation of I <sub>3</sub> <sup>+</sup> Ions in Solution at 267 and 400 nm Studied by Picosecond X-ray Liquidography. <i>ChemPhysChem</i> , 2013, 14, 3687-3697.	2.1	18
106	Elucidating Charge Delocalization in the High-Spin State of aqueous FeII Spin-Crossover Compounds via Time-Resolved Spectroscopy in the X-ray Water Window. <i>EPJ Web of Conferences</i> , 2013, 41, 05037.	0.3	0
107	Theoretical Investigation of the Reaction of Ce <sup>+</sup> with Water in the Gas Phase: Density Functional Theory Calculations. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 1551-1554.	1.9	1
108	Photodissociation Dynamics of C <sub>6</sub> F <sub>5</sub> Br at 234 nm: Fluorination Effects on Br/Br <sup>*</sup> Formation Pathways. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 957-959.	1.9	0

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109	Accurate Measurement of Isotope Amount Ratios of Lead in Bronze with Multicollector Inductively Coupled Plasma Mass Spectrometry. <i>Mass Spectrometry Letters</i> , 2013, 4, 87-90.	0.5	0
110	Ligand-field symmetry effects in Fe(ii) polypyridyl compounds probed by transient X-ray absorption spectroscopy. <i>Faraday Discussions</i> , 2012, 157, 463.	3.2	49
111	Intracluster ion-molecule reactions between V <sup>+</sup> and methyl acetate or ethyl acetate clusters. <i>International Journal of Mass Spectrometry</i> , 2012, 315, 15-21.	1.5	4
112	Effect of organic gelator template and preparation method on the structure and morphology of nanosized polymorphic titanium oxide using the sol-gel process. <i>Research on Chemical Intermediates</i> , 2012, 38, 685-692.	2.7	1
113	Photodissociation of C <sub>3</sub> H <sub>5</sub> Br and C <sub>4</sub> H <sub>7</sub> Br at 234 nm. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 143-148.	1.9	2
114	Density Functional Theory Study of Competitive Reaction Pathways of Ti <sup>+</sup> with Fluorinated Acetone in the Gas Phase. <i>Journal of the Korean Chemical Society</i> , 2012, 56, 14-19.	0.2	1
115	Organometallic Chemistry in Solutions Investigated with Time-resolved X-ray Spectroscopy. , 2012, , .		0
116	Competitive Hydrogen Transfer Reactions between Fe <sup>+</sup> and C <sub>2</sub> H <sub>5</sub> OC <sub>2</sub> H <sub>5</sub> . <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 1449-1450.	1.9	0
117	Density Functional and Spin-Orbit Ab Initio Study of CF <sub>3</sub> Br: Molecular Properties and Electronic Curve Crossing. <i>Journal of Physical Chemistry A</i> , 2011, 115, 1264-1271.	2.5	12
118	Femtosecond Soft X-ray Spectroscopy of Solvated Transition-Metal Complexes: Deciphering the Interplay of Electronic and Structural Dynamics. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 880-884.	4.6	169
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#	ARTICLE	IF	CITATIONS
127	Spatiotemporal Kinetics in Solution Studied by Time-Resolved X-Ray Liquidography (Solution) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 702	2.1	75
128	Spatiotemporal Kinetics in Solution Studied by Time-Resolved X-Ray Liquidography (Solution) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	2.1	3
129	Spatiotemporal Kinetics in Solution Studied by Time-Resolved X-Ray Liquidography (Solution) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 702	2.1	2
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