

# Do-Heyoung Kim

## List of Publications by Year in descending order

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132  
papers

5,711  
citations

87888

38  
h-index

82547

72  
g-index

134  
all docs

134  
docs citations

134  
times ranked

7306  
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering the surface anatomy of an industrially durable NiCo <sub>2</sub> S <sub>4</sub> /NiMo <sub>2</sub> S <sub>4</sub> /NiO bifunctional electrode for alkaline seawater electrolysis. <i>Journal of Materials Chemistry A</i> , 2022, 10, 9547-9564.	10.3	15
2	Multilayer Strategy for Photoelectrochemical Hydrogen Generation: New Electrode Architecture that Alleviates Multiple Bottlenecks. <i>Nano-Micro Letters</i> , 2022, 14, 78.	27.0	9
3	Surface Roughening Strategy for Highly Efficient Bifunctional Electrocatalyst: Combination of Atomic Layer Deposition and Anion Exchange Reaction. <i>Small Methods</i> , 2022, 6, e2101308.	8.6	15
4	Fabrication of a novel Z-scheme Bi <sub>2</sub> MoO <sub>6</sub> /GQDs/MoS <sub>2</sub> hierarchical nanocomposite for the photo-oxidation of ofloxacin and photoreduction of Cr(VI) as aqueous pollutants. <i>Chemical Engineering Journal</i> , 2022, 444, 136609.	12.7	44
5	Core-Shell Engineered WO <sub>3</sub> Architectures: Recent Advances from Design to Applications. <i>Small</i> , 2022, 18, .	10.0	15
6	Progress and future prospects in biochar composites: Application and reflection in the soil environment. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 219-271.	12.8	93
7	Design of all-solid-state hybrid supercapacitor based on mesoporous CoSnO <sub>3</sub> @RGO nanorods and B-doped RGO nanosheets grown on Ni foam for energy storage devices of high energy density. <i>Applied Surface Science</i> , 2021, 541, 148354.	6.1	16
8	Investigation of bulk carrier diffusion dynamics using $\text{I}^2\text{-Mn}_2\text{V}_2\text{a}^{\text{x}}\text{MoxO}_7$ photoanodes in solar water splitting. <i>Applied Surface Science</i> , 2021, 540, 148376.	6.1	6
9	Interface-modulated uniform outer nanolayer: A category of electrodes of nanolayer-encapsulated core-shell configuration for supercapacitors. <i>Nano Energy</i> , 2021, 81, 105667.	16.0	48
10	Mesoporous Titania as a Support of Gallium-Based Catalysts for Enhanced Ethane Dehydrogenation Performance. <i>Catalysis Letters</i> , 2021, 151, 2748-2761.	2.6	4
11	Atomic layer deposition-triggered hierarchical core/shell stable bifunctional electrocatalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21132-21141.	10.3	10
12	Strategies and implications of atomic layer deposition in photoelectrochemical water splitting: Recent advances and prospects. <i>Nano Energy</i> , 2021, 83, 105802.	16.0	30
13	Vanadium redox flow battery working even at a high current density by the adoption of tris(hydroxymethyl) aminomethane functionalized acidified carbon nanotube catalyst. <i>Applied Surface Science</i> , 2021, 550, 148977.	6.1	27
14	Three-Dimensional Hierarchical Core/shell Electrodes Using Highly Conformal TiO <sub>2</sub> and Co <sub>3</sub> O <sub>4</sub> Thin Films for High-Performance Supercapattery Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 29058-29069.	8.0	19
15	NiX Layered Double Hydroxide Nanowire Arrays (X = Co, Fe, and Mn) Coated with Nanometer-Thick Films of NiOOH and Then NiO as Electrodes for Supercapacitors. <i>ACS Applied Nano Materials</i> , 2021, 4, 7017-7027.	5.0	10
16	Eventual loss of phosphate and compensated passivation observed in CoPi thin films for efficient water oxidation in alkaline solutions. <i>Applied Catalysis B: Environmental</i> , 2021, 292, 120192.	20.2	7
17	1D/2D constructed Bi <sub>2</sub> S <sub>3</sub> /Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> direct Z-Scheme heterojunction: A versatile photocatalytic material for boosted photodegradation, photoreduction and photoelectrochemical detection of water-based contaminants. <i>Journal of Hazardous Materials</i> , 2021, 418, 126263.	12.4	79
18	Surface restructuring of hematite photoanodes through ultrathin NiFeOx Catalyst: Amplified charge collection for solar water splitting and pollutant degradation. <i>Chemical Engineering Journal</i> , 2021, 422, 130137.	12.7	31

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19	Supercapattery driven electrolyzer both empowered by the same superb electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21750-21759.	10.3	13
20	Combined effect of nano-structured NiCo <sub>2</sub> S <sub>4</sub> coated hematite photoanodes for efficient photoelectrochemical water oxidation. <i>Catalysis Today</i> , 2020, 347, 63-69.	4.4	9
21	Improvement in performance of inverted organic solar cell by rare earth element lanthanum doped ZnO electron buffer layer. <i>Materials Chemistry and Physics</i> , 2020, 240, 122076.	4.0	26
22	Efficient visible-light induced electron-transfer in z-scheme MoO <sub>3</sub> /Ag/C <sub>3</sub> N <sub>4</sub> for excellent photocatalytic removal of antibiotics of both ofloxacin and tetracycline. <i>Chemical Engineering Journal</i> , 2020, 391, 123504.	12.7	115
23	Improved biofilm adhesion and electrochemical properties of a graphite-cement composite with silica nanoflowers versus two benchmark carbon felts. <i>Applied Energy</i> , 2020, 261, 114391.	10.1	13
24	Dendritic Nanostructured Waste Copper Wires for High-Energy Alkaline Battery. <i>Nano-Micro Letters</i> , 2020, 12, 1.	27.0	556
25	Encapsulation of Co <sub>3</sub> O <sub>4</sub> Nanocone Arrays via Ultrathin NiO for Superior Performance Asymmetric Supercapacitors. <i>Small</i> , 2020, 16, e2005414.	10.0	75
26	Three-dimensional core-shell structured NiCo <sub>2</sub> O <sub>4</sub> @CoS/Ni-Foam electrocatalyst for oxygen evolution reaction and electrocatalytic oxidation of urea. <i>Chemical Engineering Journal</i> , 2020, 402, 126192.	12.7	99
27	Heterojunction C <sub>3</sub> N <sub>4</sub> /MoO <sub>3</sub> microcomposite for highly efficient photocatalytic oxidation of Rhodamine B. <i>Applied Surface Science</i> , 2020, 511, 145595.	6.1	50
28	Free-standing Ag nanoparticle-decorated MoS <sub>2</sub> microflowers grown on carbon cloth for photocatalytic oxidation of Rhodamine B. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 2359-2367.	2.7	9
29	Effect of Randomly Grown Morphology of ZnO Nanorods in Inverted Organic Solar Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 4414-4418.	0.9	4
30	Polypyrrole Nanopipes as a Promising Cathode Material for Li-ion Batteries and Li-ion Capacitors: Two-in-One Approach. <i>Energy Technology</i> , 2019, 7, 193-200.	3.8	27
31	Cu <sub>2</sub> O as an emerging photocathode for solar water splitting - A status review. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 21351-21378.	7.1	155
32	Aqueous asymmetric supercapacitor based on RuO <sub>2</sub> -WO <sub>3</sub> electrodes. <i>Electrochimica Acta</i> , 2019, 325, 134879.	5.2	53
33	Insights into the interfacial nanostructuring of NiCo <sub>2</sub> S <sub>4</sub> and their electrochemical activity for ultra-high capacity all-solid-state flexible asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 423-437.	9.4	29
34	Constructing gold-sensitized ZnIn <sub>2</sub> S <sub>4</sub> microarchitectures for efficient visible light-driven photochemical oxidation and sensing of micropollutants. <i>Applied Surface Science</i> , 2019, 498, 143840.	6.1	26
35	Hybrid material passivation approach to stabilize the silicon nanowires in aqueous electrolyte for high-energy efficient supercapacitor. <i>Chemical Engineering Journal</i> , 2019, 362, 609-618.	12.7	40
36	Interactive Fe <sub>2</sub> O <sub>3</sub> /porous SiO <sub>2</sub> nanospheres for photocatalytic degradation of organic pollutants: Kinetic and mechanistic approach. <i>Chemosphere</i> , 2019, 234, 596-607.	8.2	56

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37	Nano-Structured Nickel-Cobalt Hydroxide/Ni <sub>2</sub> P <sub>2</sub> O <sub>7</sub> Assembly on Nickel Foam: An Outstanding Electrocatalyst for Alkaline Oxygen Evolution Reaction. ChemCatChem, 2019, 11, 4256-4261.	3.7	20
38	Z-scheme 2D/1D MoS <sub>2</sub> nanosheet-decorated Ag <sub>2</sub> Mo <sub>2</sub> O <sub>7</sub> microrods for efficient catalytic oxidation of levofloxacin. Chemical Engineering Journal, 2019, 373, 31-43.	12.7	104
39	Improvement in performance of inverted polymer solar cells by interface engineering of ALD ZnS on ZnO electron buffer layer. Applied Surface Science, 2019, 481, 1442-1448.	6.1	23
40	Self-Assembled Nickel Pyrophosphate-Decorated Amorphous Bimetal Hydroxides 2D-on-2D Nanostructure for High-Energy Solid-State Asymmetric Supercapacitor. Small, 2019, 15, e1901145.	10.0	80
41	Improved inverted-organic-solar-cell performance via sulfur doping of ZnO films as electron buffer layer. Materials Science in Semiconductor Processing, 2019, 96, 66-72.	4.0	11
42	Glucose biofuel cells using the two-step reduction reaction of bienzyme structure as cathodic catalyst. Journal of Industrial and Engineering Chemistry, 2019, 71, 435-444.	5.8	20
43	Interface-Engineered Nickel Cobaltite Nanowires through NiO Atomic Layer Deposition and Nitrogen Plasma for High-Energy, Long-Cycle-Life Foldable All-Solid-State Supercapacitors. Small, 2019, 15, e1803716.	10.0	75
44	Construction of heterojunction photoelectrode via atomic layer deposition of Fe <sub>2</sub> O <sub>3</sub> on Bi <sub>2</sub> WO <sub>6</sub> for highly efficient photoelectrochemical sensing and degradation of tetracycline. Applied Catalysis B: Environmental, 2019, 244, 11-24.	20.2	140
45	Influence of surfactant on the synthesis of BiOCl/WO <sub>3</sub> microcomposites for enhanced adsorption in aqueous solutions. Korean Journal of Chemical Engineering, 2019, 36, 468-477.	2.7	11
46	High mass loading of h-WO <sub>3</sub> and ±-MnO <sub>2</sub> on flexible carbon cloth for high-energy aqueous asymmetric supercapacitor. Electrochimica Acta, 2019, 299, 245-252.	5.2	61
47	Highly efficient and stable negative electrode for asymmetric supercapacitors based on graphene/FeCo <sub>2</sub> O <sub>4</sub> nanocomposite hybrid material. Electrochimica Acta, 2019, 295, 195-203.	5.2	48
48	Towards flexible solid-state supercapacitors for smart and wearable electronics. Chemical Society Reviews, 2018, 47, 2065-2129.	38.1	1,338
49	Understanding the morphological effects of WO <sub>3</sub> photocatalysts for the degradation of organic pollutants. Advanced Powder Technology, 2018, 29, 1591-1600.	4.1	93
50	Hierarchical coating of MnO <sub>2</sub> nanosheets on ZnCo <sub>2</sub> O <sub>4</sub> nanoflakes for enhanced electrochemical performance of asymmetric supercapacitors. Electrochimica Acta, 2018, 271, 284-296.	5.2	57
51	Synthesis and photo-electrochemical properties of spinel-ferrite-coated hematite for solar water splitting. Applied Surface Science, 2018, 429, 42-47.	6.1	19
52	A hybrid biocatalyst consisting of silver nanoparticle and naphthalenethiol self-assembled monolayer prepared for anchoring glucose oxidase and its use for an enzymatic biofuel cell. Applied Surface Science, 2018, 429, 180-186.	6.1	38
53	Characteristics of NiO films prepared by atomic layer deposition using bis(ethylcyclopentadienyl)-Ni and O <sub>2</sub> plasma. Korean Journal of Chemical Engineering, 2018, 35, 2474-2479.	2.7	10
54	Superfast Electrodeposition of Newly Developed RuCo <sub>2</sub> O <sub>4</sub> Nanobelts over Low-Cost Stainless Steel Mesh for High-Performance Aqueous Supercapacitor. Advanced Materials Interfaces, 2018, 5, 1800283.	3.7	40

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55	Performance of inverted organic photovoltaic cells with nitrogen doped TiO <sub>2</sub> films by atomic layer deposition. Korean Journal of Chemical Engineering, 2018, 35, 567-573.	2.7	22
56	Progress in Powder Coating Technology Using Atomic Layer Deposition. Advanced Materials Interfaces, 2018, 5, 1800581.	3.7	50
57	Electrochemically growth-controlled honeycomb-like NiMoO <sub>4</sub> nanoporous network on nickel foam and its applications in all-solid-state asymmetric supercapacitors. New Journal of Chemistry, 2018, 42, 14805-14816.	2.8	26
58	Surface Modified Carbon Cloth via Nitrogen Plasma for Supercapacitor Applications. Journal of the Electrochemical Society, 2018, 165, A2446-A2450.	2.9	32
59	Enhancing Durability and Photoelectrochemical Performance of the Earth Abundant Ni <sup>2+</sup> /Mo/TiO <sub>2</sub> /CdS/CIGS Photocathode under Various pH Conditions. ChemSusChem, 2018, 11, 3679-3688.	6.8	17
60	Synthesis of Bi <sub>2</sub> S <sub>3</sub> /Bi <sub>2</sub> WO <sub>6</sub> hierarchical microstructures for enhanced visible light driven photocatalytic degradation and photoelectrochemical sensing of ofloxacin. Chemical Engineering Journal, 2018, 354, 692-705.	12.7	152
61	MCARE 2017. Applied Surface Science, 2018, 429, 1.	6.1	0
62	Ultrathin Mesoporous RuCo <sub>2</sub> O <sub>4</sub> Nanoflakes: An Advanced Electrode for High-Performance Asymmetric Supercapacitors. ChemSusChem, 2017, 10, 1771-1782.	6.8	72
63	Anti-Solvent Assisted Crystallization Processed Methylammonium Bismuth Iodide Cuboids towards Highly Stable Lead-Free Perovskite Solar Cells. ChemistrySelect, 2017, 2, 1578-1585.	1.5	42
64	Asymmetric Supercapacitors Based on Reduced Graphene Oxide with Different Polyoxometalates as Positive and Negative Electrodes. ChemSusChem, 2017, 10, 2742-2750.	6.8	89
65	Kinetics and mechanism of dye adsorption on WO <sub>3</sub> nanoparticles. Applied Surface Science, 2017, 420, 472-482.	6.1	78
66	Highly stable inverted organic photovoltaic cells with a V <sub>2</sub> O <sub>5</sub> hole transport layer. Korean Journal of Chemical Engineering, 2017, 34, 1504-1508.	2.7	16
67	Amide group anchored glucose oxidase based anodic catalysts for high performance enzymatic biofuel cell. Journal of Power Sources, 2017, 337, 152-158.	7.8	35
68	Performance of inverted polymer solar cells with randomly oriented ZnO nanorods coupled with atomic layer deposited ZnO. Applied Surface Science, 2017, 398, 9-14.	6.1	17
69	Low-cost superior symmetric solid-state supercapacitors based on MWCNTs/MnO <sub>2</sub> nanocomposite thin film. Journal of the Taiwan Institute of Chemical Engineers, 2017, 80, 503-510.	5.3	40
70	Direct growth of FeCo <sub>2</sub> O <sub>4</sub> nanowire arrays on flexible stainless steel mesh for high-performance asymmetric supercapacitor. NPG Asia Materials, 2017, 9, e419-e419.	7.9	108
71	Fundamentals of Binary Metal Oxide-Based Supercapacitors. , 2017, , 79-98.		9
72	Iron oxide grown by low-temperature atomic layer deposition. Korean Journal of Chemical Engineering, 2016, 33, 3516-3522.	2.7	29

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73	Application of Sol-gel Processed Titanium Oxide for Inverted Polymer Solar Cells as an Electron Transport Layer. <i>Science of Advanced Materials</i> , 2016, 8, 75-79.	0.7	7
74	Tungsten Nitride Films Grown via Reaction of Bis(tertbutylimido)bis(ethylmethanimido) Tungsten and Ammonia. <i>Science of Advanced Materials</i> , 2016, 8, 107-110.	0.7	1
75	High performance inverted polymer solar cells using ultrathin atomic layer deposited TiO <sub>2</sub> films. <i>Synthetic Metals</i> , 2015, 207, 31-34.	3.9	11
76	ENHANCED INTERCONNECTION OF TiO <sub>2</sub> NANOPARTICLES USING ATOMIC LAYER DEPOSITION FOR FLEXIBLE DYE-SENSITIZED SOLAR CELLS WITH PLASTIC SUBSTRATES. <i>Nano</i> , 2014, 09, 1440011.	1.0	6
77	Effect of TiO <sub>2</sub> rutile nanorods on the photoelectrodes of dye-sensitized solar cells. <i>Nanoscale Research Letters</i> , 2013, 8, 37.	5.7	33
78	Preparation of nonaggregated silver nanoparticles by the liquid phase plasma reduction method. <i>Journal of Materials Research</i> , 2013, 28, 1105-1110.	2.6	53
79	Facile Synthesis and Characterization of Silver Nanoparticle/Bis(o-phenolpropyl)Silicone Composites Using a Gold Catalyst. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 638-642.	0.9	0
80	Electrical Properties of Ta(Si)N Films Prepared by Atomic Layer Deposition from Tert-Butylimido-Tris-Diethylamido Tantalum, Silane and Hydrogen Plasma. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 4097-4100.	0.9	0
81	Synthesis of Manganese Nanoparticles in the Liquid Phase Plasma. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 6103-6108.	0.9	6
82	Atomic layer deposition of TiO <sub>2</sub> from tetrakis-dimethylamido-titanium and ozone. <i>Korean Journal of Chemical Engineering</i> , 2012, 29, 969-973.	2.7	25
83	Rapid Synthesis and Characterization of Silver Nanoparticle/Bis(o-phenolpropyl)Silicone Composites by Platinum. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 7374-7377.	0.9	1
84	Efficient Synthesis and Structural Characterization of Silver Nanoparticle/Bis(o-phenolpropyl)silicone Composites. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 1593-1596.	0.9	1
85	Preparation of WO <sub>3</sub> Films by CVD and their Application in Electrochromic Devices. <i>Korean Chemical Engineering Research</i> , 2011, 49, 405-410.	0.2	1
86	Efficient Preparation and Characterization of Silver-Polyphenylsilane Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 3691-3695.	0.9	1
87	A Special Section on: 2008 International Conference on Nanoscience and Nanotechnology (GJ-NST 2008). <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 3162-3164.	0.9	0
88	Effect of Deposition Temperature on the Characteristics of HfN Thin Films Prepared by Plasma Assisted Cyclic Chemical Vapor Deposition. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 3463-3466.	0.9	0
89	Characteristics of Ge-Sb-Te Films Prepared by Cyclic Pulsed Plasma-Enhanced Chemical Vapor Deposition. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 3354-3356.	0.9	1
90	Analysis and removal of the stench emitted from indoor dust. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 531-535.	2.7	2

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91	Performance improvement of anode-supported electrolytes for planar solid oxide fuel cells via a tape-casting/lamination/co-firing technique. <i>Journal of Power Sources</i> , 2010, 195, 2463-2469.	7.8	49
92	Synthesis and Characterization of Poly(alkoxysilane)s Catalyzed by Co/Ni Colloidal Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 3696-3699.	0.9	2
93	Fabrication of a silica ceramic membrane using the aerosol flame deposition method for pretreatment focusing on particle control during desalination. <i>Desalination</i> , 2009, 238, 53-59.	8.2	17
94	One-Pot Synthesis and Characterization of Silver/Polyphenylsilane Hybrid Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 5311-5315.	0.9	3
95	Preparation of Antimony Films by Cyclic Pulsed Chemical Vapor Deposition. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 4972-4975.	0.9	1
96	Synthesis of Carbon Containing TiO <sub>2</sub> Nano Powders by Aerosol Flame Deposition for Photocatalyst. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 4603-4606.	0.9	1
97	Metal Organic Chemical Vapor Deposition Characteristics of Germanium Precursors. <i>Korean Journal of Materials Research</i> , 2008, 18, 302-306.	0.2	0
98	Catalytic Si-Si-O Dehydrocoupling of 1,1-Dihydrotetraphenylsilole to Optoelectronic Polysiloles with Colloidal Silver Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 3926-3931.	0.9	0
99	Dry Sol-Gel Polycondensation of Hydrosilanes to Organosilicas Catalyzed by Colloidal Nickel Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 3964-3968.	0.9	3
100	Response surface methodological approach for optimization of free fatty acid removal in feedstock. <i>Applied Biochemistry and Biotechnology</i> , 2007, 137-140, 583-593.	2.9	9
101	Response Surface Methodological Approach for Optimization of Free Fatty Acid Removal in Feedstock. , 2007, , 583-593.		2
102	Characteristics of atomic layer deposited TiO <sub>2</sub> films and their photocatalytic activity. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2006, 24, 1535-1539.	2.1	43
103	Highly Conductive HfN[sub x] Films Prepared by Plasma-Assisted Atomic Layer Deposition. <i>Electrochemical and Solid-State Letters</i> , 2006, 9, C123.	2.2	21
104	Characteristics of TiO <sub>x</sub> films prepared by chemical vapor deposition using tetrakis-dimethyl-amido-titanium and water. <i>Thin Solid Films</i> , 2006, 498, 254-258.	1.8	66
105	Dry Sol-Gel Condensation of p-X-C <sub>6</sub> H <sub>4</sub> SiH <sub>3</sub> (X=H, CH <sub>3</sub> , CH <sub>3</sub> O, F, Cl) to Organosilica p-X-C <sub>6</sub> H <sub>4</sub> SiO <sub>3</sub> Using Nickelocene. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 3388-3391.	0.9	0
106	Preparation of TaN Thin Film by H <sub>2</sub> Plasma Assisted Atomic Layer Deposition Using Tert-Butylimino-Tris-Ethylmethylamino Tantalum. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 3392-3395.	0.9	9
107	Fabrication of Hybrid Photovoltaic Cell Using Atomic Layer Deposited TiO <sub>2</sub> Thin Film on CuPc Layer. <i>Journal of Biomedical Nanotechnology</i> , 2006, 2, 161-164.	1.1	1
108	Thermal Decomposition of Tetrakis(ethylmethylamido) Titanium for Chemical Vapor Deposition of Titanium Nitride. <i>Bulletin of the Korean Chemical Society</i> , 2006, 27, 219-223.	1.9	16

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109	Stability of Plasma Posttreated TiN Films Prepared by Alternating Cyclic Pulses of Tetrakis-Dimethylamido-Titanium and Ammonia. Japanese Journal of Applied Physics, 2004, 43, 303-304.	1.5	8
110	Fourier transform infrared spectroscopy studies on thermal decomposition of tetrakis-dimethyl-amido zirconium for chemical vapor deposition of ZrN. Korean Journal of Chemical Engineering, 2004, 21, 1256-1259.	2.7	16
111	Preparation of TiN films by plasma assisted atomic layer deposition for copper metallization. Materials Science and Engineering C, 2004, 24, 289-291.	7.3	19
112	Characteristics of Tungsten Carbide Films Prepared by Plasma-Assisted ALD Using Bis(tert-butylimido)bis(dimethylamido)tungsten. Journal of the Electrochemical Society, 2003, 150, C740.	2.9	24
113	Microstructure and Texture of Electrodeposited Cu on TiN Thin Films without a Cu Seed Layer. Materials Science Forum, 2002, 408-412, 1597-1602.	0.3	0
114	Preparation and properties of conducting polypyrrole-sulfonated polycarbonate composites. Synthetic Metals, 2001, 123, 327-333.	3.9	28
115	Improvement of paint adhesion to a polypropylene bumper by plasma treatment. Journal of Adhesion Science and Technology, 2001, 15, 653-664.	2.6	34
116	Comparison Study for TiN Films Deposited from Different Method: Chemical Vapor Deposition and Atomic Layer Deposition. Materials Research Society Symposia Proceedings, 2001, 672, 1.	0.1	4
117	Morphology and Hole Filling Properties of Chemically Vapor Deposited Aluminum Films Prepared from Dimethylethylamine Alane. Journal of the Electrochemical Society, 2001, 148, C10.	2.9	6
118	Conformality of Chemical-Vapor-Deposited Tungsten on TiN Prepared by Metal-organic Chemical Vapor Deposition via Cyclic Plasma Treatment. Japanese Journal of Applied Physics, 2001, 40, 265-268.	1.5	9
119	Characteristics of aluminum films prepared by metalorganic chemical vapor deposition using dimethylethylamine alane on the plasma-pretreated TiN surfaces. Korean Journal of Chemical Engineering, 2000, 17, 449-454.	2.7	12
120	Properties of chemically vapor deposited blanket tungsten films on tin glue layers prepared by chemical vapor deposition. Metals and Materials International, 2000, 6, 577-581.	0.2	2
121	Characteristics of chemically vapor deposited TiN films prepared using tetrakis-ethylmethyl-amido-titanium. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1999, 17, 2197.	1.6	18
122	Effect of N <sub>2</sub> /H <sub>2</sub> Plasma Treatment on the Properties of TiN Films Prepared by Chemical Vapor Deposition from TiCl <sub>4</sub> and NH <sub>3</sub> . Japanese Journal of Applied Physics, 1999, 38, L461-L463.	1.5	11
123	Low Temperature Deposition of TaCN Films Using Pentakis(diethylamido)tantalum. Japanese Journal of Applied Physics, 1998, 37, L30-L32.	1.5	24
124	Low Temperature Deposition of Tacn Films Using Pentakis(Diethylamido)Tantalum. Materials Research Society Symposia Proceedings, 1996, 427, 349.	0.1	0
125	Stability of TiN Films Prepared by Chemical Vapor Deposition Using Tetrakis(dimethylamino) Titanium. Journal of the Electrochemical Society, 1996, 143, L188-L190.	2.9	27
126	Diffusion barrier performance of chemically vapor deposited TiN films prepared using tetrakis(dimethylamino) titanium in the Cu/TiN/Si structure. Applied Physics Letters, 1996, 69, 4182-4184.	3.3	33



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127	NUCLEATION REACTIONS AND FILM GROWTH OF COPPER ON TIN USING HEXAFLUOROACETYLACETONATE COPPER(I) TRIMETHYLVINYLSILANE. Chemical Engineering Communications, 1996, 152-153, 307-317.	2.6	4
128	Epitaxial growth of CoSi <sub>2</sub> layer on (100)Si and facet formation at the CoSi <sub>2</sub> /Si interface. Journal of Applied Physics, 1995, 78, 1725-1730.	2.5	53
129	Nucleation of copper on TiW and TiN during chemical vapor deposition. Journal of Applied Physics, 1993, 74, 5164-5166.	2.5	22
130	Film Growth Kinetics of Chemical Vapor Deposition of Copper from Cu(HFA) <sub>2</sub> . Journal of the Electrochemical Society, 1993, 140, 3267-3272.	2.9	52
131	Low Pressure Chemically Vapor Deposited Copper Films for Advanced Device Metallization. Journal of the Electrochemical Society, 1993, 140, 3273-3279.	2.9	41
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