

# Krisztian Kordas

## List of Publications by Citations

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195  
papers

5,434  
citations

41  
h-index

63  
g-index

211  
ext. papers

6,122  
ext. citations

5.3  
avg. IF

5.38  
L-index

#	Paper	IF	Citations
195	Inkjet printing of electrically conductive patterns of carbon nanotubes. <i>Small</i> , <b>2006</b> , 2, 1021-5	11	429
194	Chip cooling with integrated carbon nanotube microfin architectures. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 123105	3.4	191
193	Low-temperature large-scale synthesis and electrical testing of ultralong copper nanowires. <i>Langmuir</i> , <b>2010</b> , 26, 16496-502	4	138
192	Formation of CuPd and CuPt Bimetallic Nanotubes by Galvanic Replacement Reaction. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 9403-9409	3.8	136
191	Nitrogen-doped anatase nanofibers decorated with noble metal nanoparticles for photocatalytic production of hydrogen. <i>ACS Nano</i> , <b>2011</b> , 5, 5025-30	16.7	123
190	One-Pot Liquid-Phase Catalytic Conversion of Ethanol to 1-Butanol over Aluminium Oxide: The Effect of the Active Metal on the Selectivity. <i>Catalysts</i> , <b>2012</b> , 2, 68-84	4	103
189	Enhanced photocatalytic activity of TiO <sub>2</sub> nanofibers and their flexible composite films: Decomposition of organic dyes and efficient H <sub>2</sub> generation from ethanol-water mixtures. <i>Nano Research</i> , <b>2011</b> , 4, 360-369	10	98
188	Inkjet printing of transparent and conductive patterns of single-walled carbon nanotubes and PEDOT-PSS composites. <i>Physica Status Solidi (B): Basic Research</i> , <b>2007</b> , 244, 4336-4340	1.3	95
187	Gas sensors based on anodic tungsten oxide. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 153, 293-300	8.5	82
186	Field emission with ultralow turn on voltage from metal decorated carbon nanotubes. <i>ACS Nano</i> , <b>2014</b> , 8, 7763-70	16.7	80
185	Deoxygenation of dodecanoic acid under inert atmosphere. <i>Fuel</i> , <b>2010</b> , 89, 2033-2039	7.1	79
184	Thermal oxidation of porous silicon: Study on structure. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 041501	3.4	78
183	Atomic scale characterization and surface chemistry of metal modified titanate nanotubes and nanowires. <i>Surface Science Reports</i> , <b>2016</b> , 71, 473-546	12.9	76
182	Synthesis of Dimethyl Carbonate from Methanol and Carbon Dioxide: Circumventing Thermodynamic Limitations. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 9609-9617	3.9	71
181	SILCA supported ionic liquid catalysts for fine chemicals. <i>Applied Catalysis A: General</i> , <b>2007</b> , 328, 68-76	5.1	71
180	Laser-assisted metal deposition from liquid-phase precursors on polymers. <i>Applied Surface Science</i> , <b>2001</b> , 172, 178-189	6.7	69
179	Electrical transport and field-effect transistors using inkjet-printed SWCNT films having different functional side groups. <i>ACS Nano</i> , <b>2010</b> , 4, 3318-24	16.7	68

178	Carbon-Nanotube-Based Electrical Brush Contacts. <i>Advanced Materials</i> , <b>2009</b> , 21, 2054-2058	24	68
177	Optical properties of porous silicon. Part III: Comparison of experimental and theoretical results. <i>Optical Materials</i> , <b>2006</b> , 28, 506-513	3.3	67
176	Three-dimensional carbon nanotube scaffolds as particulate filters and catalyst support membranes. <i>ACS Nano</i> , <b>2010</b> , 4, 2003-8	16.7	66
175	Room temperature hydrogen sensors based on metal decorated WO <sub>3</sub> nanowires. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 186, 90-95	8.5	64
174	Mechanically amplified large displacement piezoelectric actuators. <i>Sensors and Actuators A: Physical</i> , <b>2005</b> , 120, 225-231	3.9	61
173	Lightweight Hierarchical Carbon Nanocomposites with Highly Efficient and Tunable Electromagnetic Interference Shielding Properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 19331-19338	9.5	60
172	Inkjet-printed gas sensors: metal decorated WO <sub>3</sub> nanoparticles and their gas sensing properties. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 17878		58
171	A morpholinium ionic liquid for cellulose dissolution. <i>Carbohydrate Polymers</i> , <b>2015</b> , 130, 18-25	10.3	56
170	d-Lactose oxidation over gold catalysts. <i>Catalysis Today</i> , <b>2008</b> , 131, 385-392	5.3	56
169	Magnetic-Field Induced Efficient Alignment of Carbon Nanotubes in Aqueous Solutions. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 787-791	9.6	55
168	The effect of ionic liquid in supported ionic liquid catalysts (SILCA) in the hydrogenation of . <i>Chemical Engineering Science</i> , <b>2007</b> , 62, 3660-3671	4.4	53
167	WS and MoS thin film gas sensors with high response to NH <sub>3</sub> in air at low temperature. <i>Nanotechnology</i> , <b>2019</b> , 30, 405501	3.4	52
166	Solvent controlled catalysis: Synthesis of aldehyde, acid or ester by selective oxidation of benzyl alcohol with gold nanoparticles on alumina. <i>Applied Catalysis A: General</i> , <b>2014</b> , 485, 202-206	5.1	52
165	Synthesis of tungsten carbide and tungsten disulfide on vertically aligned multi-walled carbon nanotube forests and their application as non-Pt electrocatalysts for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 14609-14616	13	51
164	Sugar hydrogenation over a Ru/C catalyst. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2011</b> , 86, 658-668	3.5	51
163	Double-Peak Catalytic Activity of Nanosized Gold Supported on Titania in Gas-Phase Selective Oxidation of Ethanol. <i>ChemCatChem</i> , <b>2010</b> , 2, 1535-1538	5.2	51
162	Enhanced field emission properties from CNT arrays synthesized on Inconel superalloy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 1986-91	9.5	50
161	Thermal Oxidation of Porous Silicon: Study on Reaction Kinetics. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 12744-12747	3.4	50

160	Ultrasensitive H <sub>2</sub> S gas sensors based on p-type WS <sub>2</sub> hybrid materials. <i>Nano Research</i> , <b>2018</b> , 11, 4215-4224	4	48
159	Novel, smart and RFID assisted critical temperature indicator for supply chain monitoring. <i>Journal of Food Engineering</i> , <b>2017</b> , 193, 20-28	6	48
158	Nitric oxide gas sensors with functionalized carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , <b>2007</b> , 244, 4298-4302	1.3	48
157	Photocatalytic reduction of CO <sub>2</sub> with H <sub>2</sub> O over modified TiO <sub>2</sub> nanofibers: Understanding the reduction pathway. <i>Nano Research</i> , <b>2016</b> , 9, 1956-1968	10	48
156	Bio-Based Smart Materials for Food Packaging and Sensors – A Review. <i>Frontiers in Materials</i> , <b>2020</b> , 7,	4	48
155	Laser direct writing of copper on polyimide surfaces from solution. <i>Applied Surface Science</i> , <b>2000</b> , 154-155, 399-404	6.7	47
154	Carbon nanotube (CNT) forest grown on diamond-like carbon (DLC) thin films significantly improves electrochemical sensitivity and selectivity towards dopamine. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 211, 177-186	8.5	41
153	Step Changes and Deactivation Behavior in the Continuous Decarboxylation of Stearic Acid. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 11049-11058	3.9	40
152	Oxidation of Pinene over gold containing bimetallic nanoparticles supported on reducible TiO <sub>2</sub> by deposition-precipitation method. <i>Applied Catalysis A: General</i> , <b>2011</b> , 392, 11-18	5.1	39
151	Continuous liquid-phase valorization of bio-ethanol towards bio-butanol over metal modified alumina. <i>Renewable Energy</i> , <b>2015</b> , 74, 369-378	8.1	38
150	CNT-based catalysts for H <sub>2</sub> production by ethanol reforming. <i>International Journal of Hydrogen Energy</i> , <b>2010</b> , 35, 12588-12595	6.7	38
149	Palladium thin film deposition on polyimide by CW Ar+ laser radiation for electroless copper plating. <i>Thin Solid Films</i> , <b>2001</b> , 384, 185-188	2.2	38
148	Self-assembled large scale metal alloy grid patterns as flexible transparent conductive layers. <i>Scientific Reports</i> , <b>2015</b> , 5, 13710	4.9	37
147	Towards one-pot synthesis of menthols from citral: Modifying Supported Ionic Liquid Catalysts (SILCAs) with Lewis and Brønsted acids. <i>Journal of Catalysis</i> , <b>2009</b> , 263, 209-219	7.3	37
146	Controlled Ohmic and nonlinear electrical transport in inkjet-printed single-wall carbon nanotube films. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	36
145	Improved Solar-Driven Photocatalytic Performance of Highly Crystalline Hydrogenated TiO <sub>2</sub> Nanofibers with Core-Shell Structure. <i>Scientific Reports</i> , <b>2017</b> , 7, 40896	4.9	34
144	Structure Sensitivity in L-Arabinose Oxidation over Au/Al <sub>2</sub> O <sub>3</sub> Catalysts. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 1036-1043	3.8	34
143	Viable route towards large-area 2D MoS <sub>2</sub> using magnetron sputtering. <i>2D Materials</i> , <b>2017</b> , 4, 021002	5.9	33

142	Unmodified and multi-walled carbon nanotube modified tetrahedral amorphous carbon (ta-C) films as in vivo sensor materials for sensitive and selective detection of dopamine. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 118, 23-30	11.8	31
141	Photocatalytic activity of TiO <sub>2</sub> nanoparticles: effect of thermal annealing under various gaseous atmospheres. <i>Nanotechnology</i> , <b>2012</b> , 23, 475711	3.4	31
140	Aligned carbon nanotube/zinc oxide nanowire hybrids as high performance electrodes for supercapacitor applications. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 124303	2.5	30
139	Layered titanate nanostructures: perspectives for industrial exploitation. <i>Translational Materials Research</i> , <b>2015</b> , 2, 015003		30
138	Isomerization of $\alpha$ -Pinene Oxide Over Iron-Modified Zeolites. <i>Topics in Catalysis</i> , <b>2013</b> , 56, 696-713	2.3	30
137	Trifluoroacetylazobenzene for optical and electrochemical detection of amines. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 4687-4694	13	30
136	Photo-Kelvin probe force microscopy for photocatalytic performance characterization of single filament of TiO <sub>2</sub> nanofiber photocatalysts. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 5715	13	29
135	Moderate anisotropy in the electrical conductivity of bulk MWCNT/epoxy composites. <i>Carbon</i> , <b>2010</b> , 48, 1918-1925	10.4	29
134	Integrated Carbon Nanostructures for Detection of Neurotransmitters. <i>Molecular Neurobiology</i> , <b>2015</b> , 52, 859-66	6.2	28
133	Controlled CCVD Synthesis of Robust Multiwalled Carbon Nanotube Films. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 6723-6728	3.8	28
132	Oxidative dehydrogenation of a biomass derived lignan $\alpha$ -Hydroxymatairesinol over heterogeneous gold catalysts. <i>Journal of Catalysis</i> , <b>2011</b> , 282, 54-64	7.3	27
131	Supported ionic liquid catalysts from batch to continuous operation in preparation of fine chemicals. <i>Catalysis Today</i> , <b>2009</b> , 147, S144-S148	5.3	27
130	On-chip integrated vertically aligned carbon nanotube based super- and pseudocapacitors. <i>Scientific Reports</i> , <b>2017</b> , 7, 16594	4.9	26
129	Isomerization of $\alpha$ -pinene oxide over Sn-modified zeolites. <i>Journal of Molecular Catalysis A</i> , <b>2013</b> , 366, 228-237		26
128	Simultaneous chemical silver and palladium deposition on porous silicon; FESEM, TEM, EDX and XRD investigation. <i>Applied Surface Science</i> , <b>2002</b> , 201, 56-60	6.7	26
127	Manufacturing of porous silicon; porosity and thickness dependence on electrolyte composition. <i>Applied Surface Science</i> , <b>2001</b> , 178, 190-193	6.7	26
126	Reaction dynamics of CW Ar <sup>+</sup> laser induced copper direct writing from liquid electrolyte on polyimide substrates. <i>Applied Surface Science</i> , <b>2000</b> , 158, 127-133	6.7	26
125	Biodegradable multiphase poly(lactic acid)/biochar/graphite composites for electromagnetic interference shielding. <i>Composites Science and Technology</i> , <b>2019</b> , 181, 107704	8.6	25

124	Laser-assisted selective deposition of nickel patterns on porous silicon substrates. <i>Applied Surface Science</i> , <b>2001</b> , 178, 93-97	6.7	25
123	Catalytic Hydrogenation of d-Xylose Over Ru Decorated Carbon Foam Catalyst in a SpinChem <sup>®</sup> Rotating Bed Reactor. <i>Topics in Catalysis</i> , <b>2016</b> , 59, 1165-1177	2.3	24
122	Industrially benign super-compressible piezoresistive carbon foams with predefined wetting properties: from environmental to electrical applications. <i>Scientific Reports</i> , <b>2014</b> , 4, 6933	4.9	23
121	Comparison of dye solar cell counter electrodes based on different carbon nanostructures. <i>Thin Solid Films</i> , <b>2011</b> , 519, 8125-8134	2.2	23
120	Selective Oxidation of D-Galactose over Gold Catalysts. <i>ChemCatChem</i> , <b>2011</b> , 3, 1789-1798	5.2	23
119	Optical properties of porous silicon.. <i>Optical Materials</i> , <b>2004</b> , 25, 257-260	3.3	23
118	Robust hierarchical 3D carbon foam electrode for efficient water electrolysis. <i>Scientific Reports</i> , <b>2017</b> , 7, 6112	4.9	22
117	Palladium thin film deposition from liquid precursors on polymers by projected excimer beams. <i>Applied Surface Science</i> , <b>2000</b> , 168, 66-70	6.7	22
116	Optical properties of plasmon-resonant bare and silica-coated nanostars used for cell imaging. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 76017	3.5	21
115	Electric Double-Layer Capacitors Based on Multiwalled Carbon Nanotubes: Can Nanostructuring of the Nanotubes Enhance Performance?. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 3538-3544	3.8	21
114	Effective dispersion of Au and Au <sub>M</sub> (M = Co, Ni, Cu and Zn) bimetallic nanoparticles over TiO <sub>2</sub> grafted SBA-15: Their catalytic activity on dehydroisomerization of $\alpha$ -pinene. <i>Microporous and Mesoporous Materials</i> , <b>2013</b> , 173, 99-111	5.3	21
113	Low-temperature growth of multi-walled carbon nanotubes by thermal CVD. <i>Physica Status Solidi (B): Basic Research</i> , <b>2011</b> , 248, 2500-2503	1.3	21
112	Revealing the role of bromide in the H <sub>2</sub> O <sub>2</sub> direct synthesis with the catalyst wet pretreatment method (CWPM). <i>AIChE Journal</i> , <b>2017</b> , 63, 32-42	3.6	20
111	Inkjet printed resistive and chemical-FET carbon nanotube gas sensors. <i>Physica Status Solidi (B): Basic Research</i> , <b>2008</b> , 245, 2335-2338	1.3	20
110	Optical properties of porous silicon.. <i>Optical Materials</i> , <b>2004</b> , 25, 251-255	3.3	20
109	Carbon nanotube network growth on palladium seeds. <i>Materials Science and Engineering C</i> , <b>2002</b> , 19, 271-274	8.3	20
108	Green Carbon Nanofiber Networks for Advanced Energy Storage. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 3530-3540	6.1	19
107	Dimerization of 1-butene in liquid phase reaction: Influence of structure, pore size and acidity of Beta zeolite and MCM-41 mesoporous material. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 147, 127-134	5.3	19

106	Influence of the synthesis parameters on the physico-chemical and catalytic properties of cerium oxide for application in the synthesis of diethyl carbonate. <i>Materials Chemistry and Physics</i> , <b>2013</b> , 143, 65-75	4.4	19
105	Chemoselective hydrogenation of citral by Pt and Pt-Sn catalysts supported on TiO <sub>2</sub> nanoparticles and nanowires. <i>Catalysis Today</i> , <b>2015</b> , 241, 170-178	5.3	18
104	Reactivity Aspects of SBA15-Based Doped Supported Catalysts: H <sub>2</sub> O <sub>2</sub> Direct Synthesis and Disproportionation Reactions. <i>Topics in Catalysis</i> , <b>2013</b> , 56, 540-549	2.3	18
103	Linoleic acid isomerization over mesoporous carbon supported gold catalysts. <i>Catalysis Today</i> , <b>2010</b> , 150, 32-36	5.3	18
102	The influence of catalyst amount and Pd loading on the H <sub>2</sub> O <sub>2</sub> synthesis from hydrogen and oxygen. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 3545-3555	5.5	17
101	2D Tungsten Chalcogenides: Synthesis, Properties and Applications. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2000002	4.6	17
100	Synthesis and characterization of WO <sub>3</sub> nanowires and metal nanoparticle-WO <sub>3</sub> nanowire composites. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1044, 99-103	3.4	17
99	Synthesis and photocatalytic performance of titanium dioxide nanofibers and the fabrication of flexible composite films from nanofibers. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 1421-4	1.3	17
98	Low-temperature catalytic oxidation of multi-walled carbon nanotubes. <i>Carbon</i> , <b>2013</b> , 57, 99-107	10.4	17
97	Laser direct writing of palladium on polyimide surfaces from solution. <i>Applied Surface Science</i> , <b>1999</b> , 152, 149-155	6.7	17
96	A novel WS <sub>2</sub> nanowire-nanoflake hybrid material synthesized from WO <sub>3</sub> nanowires in sulfur vapor. <i>Scientific Reports</i> , <b>2016</b> , 6, 25610	4.9	16
95	Random networks of core-shell-like Cu-CuO/CuO nanowires as surface plasmon resonance-enhanced sensors. <i>Scientific Reports</i> , <b>2018</b> , 8, 4708	4.9	15
94	Carbon nanotube micropillars trigger guided growth of complex human neural stem cells networks. <i>Nano Research</i> , <b>2019</b> , 12, 2894-2899	10	15
93	Titania nanofibers in gypsum composites: an antibacterial and cytotoxicology study. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 1307-1316	7.3	15
92	Alkaline modified oil shale fly ash: optimal synthesis conditions and preliminary tests on CO <sub>2</sub> adsorption. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 196, 180-6	12.8	15
91	Room temperature chemical deposition of palladium nanoparticles in anodic aluminium oxide templates. <i>Nanotechnology</i> , <b>2006</b> , 17, 1459-1463	3.4	15
90	Laser-induced surface activation of LTCC materials for chemical metallization. <i>IEEE Transactions on Advanced Packaging</i> , <b>2005</b> , 28, 259-263		15
89	Properties of adsorbents used for bleaching of vegetable oils and animal fats. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2015</b> , 90, 1579-1591	3.5	14

88	Thin micropatterned multi-walled carbon nanotube films for electrodes. <i>Chemical Physics Letters</i> , <b>2013</b> , 583, 87-91	2.5	14
87	Ultraviolet laser-induced liquid-phase palladium seeding on polymers. <i>Journal of Materials Research</i> , <b>1999</b> , 14, 3690-3694	2.5	14
86	Speckle dynamics under ergodicity breaking. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 155401	3	13
85	Core-shell Heterostructures of Rutile and Anatase TiO <sub>2</sub> Nanofibers for Photocatalytic Solar Energy Conversion. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 1970-1979	5.6	12
84	Low-Temperature Growth of Carbon Nanotubes on Bi- and Tri-metallic Catalyst Templates. <i>Topics in Catalysis</i> , <b>2013</b> , 56, 522-526	2.3	12
83	Alkaline modifiers as performance boosters in citral hydrogenation over supported ionic liquid catalysts (SILCAs). <i>Catalysis Today</i> , <b>2012</b> , 196, 126-131	5.3	12
82	Synthesis and characterization of nickel catalysts supported on different carbon materials. <i>Reaction Kinetics and Catalysis Letters</i> , <b>2009</b> , 96, 379-389		12
81	Dimethylammonium iodide stabilized bismuth halide perovskite photocatalyst for hydrogen evolution. <i>Nano Research</i> , <b>2021</b> , 14, 1116-1125	10	12
80	Upside - down composites: Fabricating piezoceramics at room temperature. <i>Journal of the European Ceramic Society</i> , <b>2019</b> , 39, 3301-3306	6	11
79	Piezoresistive Carbon Foams in Sensing Applications. <i>Frontiers in Materials</i> , <b>2019</b> , 6,	4	11
78	Portable cyber-physical system for indoor and outdoor gas sensing. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 252, 983-990	8.5	11
77	Thermal diffusivity of aligned multi-walled carbon nanotubes measured by the flash method. <i>Physica Status Solidi (B): Basic Research</i> , <b>2011</b> , 248, 2508-2511	1.3	11
76	On the complex refractive index of N-doped TiO <sub>2</sub> nanospheres and nanowires in the terahertz spectral region. <i>Vibrational Spectroscopy</i> , <b>2013</b> , 68, 241-245	2.1	10
75	Laser soldering of flip-chips. <i>Optics and Lasers in Engineering</i> , <b>2006</b> , 44, 112-121	4.6	10
74	Laser-assisted via hole metallization in PCB materials. <i>Journal of Electronic Materials</i> , <b>2001</b> , 30, L21-L24	1.9	10
73	Ultra-low permittivity porous silica-cellulose nanocomposite substrates for 6G telecommunication. <i>Nanotechnology</i> , <b>2020</b> , 31, 435203	3.4	10
72	Multi-walled carbon nanotubes (MWCNTs) grown directly on tetrahedral amorphous carbon (ta-C): An interfacial study. <i>Diamond and Related Materials</i> , <b>2015</b> , 56, 54-59	3.5	9
71	Native oxide formation on pentagonal copper nanowires: A TEM study. <i>Surface Science</i> , <b>2018</b> , 672-673, 19-22	1.8	9



70	Photocatalytic activity of nitrogen-doped TiO <sub>2</sub> -based nanowires: a photo-assisted Kelvin probe force microscopy study. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	9
69	Novel Printed Nanostructured Gas Sensors. <i>Procedia Engineering</i> , <b>2011</b> , 25, 896-899		9
68	The effect of palladium dispersion and promoters on lactose oxidation kinetics. <i>Research on Chemical Intermediates</i> , <b>2010</b> , 36, 423-442	2.8	9
67	Nickel deposition on porous silicon utilizing lasers. <i>Applied Surface Science</i> , <b>2002</b> , 186, 232-236	6.7	9
66	Copper plating on and electrical investigation of a low-permittivity cycloolefin-copolymer. <i>Polymer Testing</i> , <b>2003</b> , 22, 657-661	4.5	9
65	Carbon nanotube synthesis on oxidized porous silicon. <i>Applied Surface Science</i> , <b>2005</b> , 252, 1471-1475	6.7	9
64	Nonlinear electronic transport and enhanced catalytic behavior caused by native oxides on Cu nanowires. <i>Surface Science</i> , <b>2017</b> , 663, 16-22	1.8	8
63	On the way to improve cetane number in diesel fuels: Ring opening of decalin over Ir-modified embedded mesoporous materials. <i>Catalysis in Industry</i> , <b>2013</b> , 5, 105-122	0.8	8
62	Photocatalytic Degradation of Butanol in Aqueous Solutions by TiO <sub>2</sub> Nanofibers. <i>Topics in Catalysis</i> , <b>2013</b> , 56, 630-636	2.3	8
61	Continuous Gas-Phase Synthesis of 1-Ethyl Chloride from Ethyl Alcohol and Hydrochloric Acid Over Al <sub>2</sub> O <sub>3</sub> -Based Catalysts: The GreenRoute. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2013</b> , 1, 883-893	8.3	8
60	Trends in Carbon, Oxygen, and Nitrogen Core in the X-ray Absorption Spectroscopy of Carbon Nanomaterials: A Guide for the Perplexed. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 973-988	3.8	8
59	Carbon supported catalysts in low temperature steam reforming of ethanol: study of catalyst performance. <i>RSC Advances</i> , <b>2015</b> , 5, 49487-49492	3.7	7
58	Solder transfer of carbon nanotube microfin coolers to ceramic chips. <i>Applied Thermal Engineering</i> , <b>2014</b> , 65, 539-543	5.8	7
57	INCREASING CHEMICAL SELECTIVITY OF CARBON NANOTUBE-BASED SENSORS BY FLUCTUATION-ENHANCED SENSING. <i>Fluctuation and Noise Letters</i> , <b>2010</b> , 09, 277-287	1.2	7
56	Fluctuation enhanced gas sensing on functionalized carbon nanotube thin films. <i>Physica Status Solidi (B): Basic Research</i> , <b>2008</b> , 245, 2339-2342	1.3	7
55	Interfacial Nanoparticle Complexation of Oppositely Charged Nanocelluloses into Functional Filaments with Conductive, Drug Release, or Antimicrobial Property. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 1765-1774	9.5	7
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