

# Krisztian Kordas

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Bioplastics and Carbon-Based Sustainable Materials, Components, and Devices: Toward Green Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 49301-49312	9.5	4
194	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
193	Inkjet-Deposited Single-Wall Carbon Nanotube Micropatterns on Stretchable PDMS-Ag Substrate-Electrode Structures for Piezoresistive Strain Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 27284-27294	9.5	6
192	Dimethylammonium iodide stabilized bismuth halide perovskite photocatalyst for hydrogen evolution. <i>Nano Research</i> , <b>2021</b> , 14, 1116-1125	10	12
191	Composites of ion-in-conjugation polysquaraine and SWCNTs for the detection of HS and NHat ppb concentrations. <i>Nanotechnology</i> , <b>2021</b> ,	3.4	1
190	Lightweight porous silica foams with extreme-low dielectric permittivity and loss for future 6G wireless communication technologies. <i>Nano Research</i> , <b>2021</b> , 14, 1450-1456	10	5
189	2D Tungsten Chalcogenides: Synthesis, Properties and Applications. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2000002	4.6	17
188	Grid-type transparent conductive thin films of carbon nanotubes as capacitive touch sensors. <i>Nanotechnology</i> , <b>2020</b> , 31, 305303	3.4	6
187	Visible range photoresponse of vertically oriented on-chip MoS2 and WS2 thin films. <i>AIP Advances</i> , <b>2020</b> , 10, 065114	1.5	0
186	Green Carbon Nanofiber Networks for Advanced Energy Storage. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 3530-3540	6.1	19
185	Flexible planar supercapacitors by straightforward filtration and laser processing steps. <i>Nanotechnology</i> , <b>2020</b> , 31, 495403	3.4	1
184	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
183	Ultra-low permittivity porous silica-cellulose nanocomposite substrates for 6G telecommunication. <i>Nanotechnology</i> , <b>2020</b> , 31, 435203	3.4	10
182	. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 143-148	4	3
181	Bio-Based Smart Materials for Food Packaging and Sensors [A Review]. <i>Frontiers in Materials</i> , <b>2020</b> , 7,	4	48
180	Upside - down composites: Fabricating piezoceramics at room temperature. <i>Journal of the European Ceramic Society</i> , <b>2019</b> , 39, 3301-3306	6	11
179	Piezoresistive Carbon Foams in Sensing Applications. <i>Frontiers in Materials</i> , <b>2019</b> , 6,	4	11

178	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
177	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
176	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
175	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
174	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
173	Carbon nanotube-based matrices for tissue engineering <b>2019</b> , 323-353		4
172	Size-Dependent H <sub>2</sub> S Sensing Over Supported Pt Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2019</b> , 19, 459-464	1.3	0
171	Electrical and Photoelectrical Characteristics of Bi/PorousBi/CdS Heterojunctions. <i>Russian Physics Journal</i> , <b>2019</b> , 61, 1660-1666	0.7	6
170	Speckle dynamics under ergodicity breaking. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 155401	3	13
169	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
168	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
167	Native oxide formation on pentagonal copper nanowires: A TEM study. <i>Surface Science</i> , <b>2018</b> , 672-673, 19-22	1.8	9
166	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
165	High photoresponse of individual WS <sub>2</sub> nanowire-nanoflake hybrid materials. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 233103	3.4	6
164	Maskless direct growth of carbon nanotube micropatterns on metallic substrates. <i>Carbon</i> , <b>2018</b> , 140, 610-615	10.4	3
163	One Step Process for Infiltration of Magnetic Nanoparticles into CNT Arrays for Enhanced Field Emission. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1701631	4.6	2
162	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
161	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

160	Improved Solar-Driven Photocatalytic Performance of Highly Crystalline Hydrogenated TiO Nanofibers with Core-Shell Structure. <i>Scientific Reports</i> , <b>2017</b> , 7, 40896	4.9	34
159	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
158	Gas phase synthesis of isopropyl chloride from isopropanol and HCl over alumina and flexible 3-D carbon foam supported catalysts. <i>Applied Catalysis A: General</i> , <b>2017</b> , 542, 212-225	5.1	2
157	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
156	Robust hierarchical 3D carbon foam electrode for efficient water electrolysis. <i>Scientific Reports</i> , <b>2017</b> , 7, 6112	4.9	22
155	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
154	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
153	On-chip integrated vertically aligned carbon nanotube based super- and pseudocapacitors. <i>Scientific Reports</i> , <b>2017</b> , 7, 16594	4.9	26
152	Grand Challenges in Translational Materials Research. <i>Frontiers in Materials</i> , <b>2017</b> , 4,	4	3
151	TiO <sub>2</sub> nanoparticles vs. TiO <sub>2</sub> nanowires as support in hydrogen peroxide direct synthesis: the influence of N and Au doping. <i>RSC Advances</i> , <b>2016</b> , 6, 103311-103319	3.7	4
150	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
149	Crystallization of Nano-Calcium Carbonate: The Influence of Process Parameters. <i>Chemie-Ingenieur-Technik</i> , <b>2016</b> , 88, 1609-1616	0.8	3
148	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
147	Performance Enhancement of Polymer Electrolyte MEIS Hydrogen Sensor by DC-Biasing. <i>IEEE Sensors Journal</i> , <b>2016</b> , 16, 5292-5297	4	3
146	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
145	Calcium manganese oxide catalysts for water oxidation: Unravelling the influence of various synthesis strategies. <i>Materials Research Bulletin</i> , <b>2016</b> , 79, 133-137	5.1	5
144	High dynamic stiffness mechanical structures with nanostructured composite coatings deposited by high power impulse magnetron sputtering. <i>Carbon</i> , <b>2016</b> , 98, 24-33	10.4	3
143	Influence of Metal Precursors and Reduction Protocols on the Chloride-Free Preparation of Catalysts for the Direct Synthesis of Hydrogen Peroxide without Selectivity Enhancers. <i>ChemCatChem</i> , <b>2016</b> , 8, 1564-1574	5.2	6

142	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
141	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
140	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
139	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
138	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
137	Integrated Carbon Nanostructures for Detection of Neurotransmitters. <i>Molecular Neurobiology</i> , <b>2015</b> , 52, 859-66	6.2	28
136	Suppressing tool chatter with novel multi-layered nanostructures of carbon based composite coatings. <i>Journal of Materials Processing Technology</i> , <b>2015</b> , 223, 292-298	5.3	6
135	Layered titanate nanostructures: perspectives for industrial exploitation. <i>Translational Materials Research</i> , <b>2015</b> , 2, 015003		30
134	A morpholinium ionic liquid for cellulose dissolution. <i>Carbohydrate Polymers</i> , <b>2015</b> , 130, 18-25	10.3	56
133	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
132	Noble Metal/CNT Based Catalysts in NH <sub>3</sub> and EtOH Assisted SCR of NO. <i>Topics in Catalysis</i> , <b>2015</b> , 58, 984-992	2.3	5
131	The Effect of Al Buffer Layer on the Catalytic Synthesis of Carbon Nanotube Forests. <i>Topics in Catalysis</i> , <b>2015</b> , 58, 1112-1118	2.3	6
130	Electrocatalytic Properties of Carbon Nanotubes Decorated with Copper and Bimetallic CuPd Nanoparticles. <i>Topics in Catalysis</i> , <b>2015</b> , 58, 1119-1126	2.3	5
129	On the Interaction of Metal Nanoparticles with Supports. <i>Topics in Catalysis</i> , <b>2015</b> , 58, 1127-1135	2.3	5
128	Facile synthesis of nanostructured carbon materials over RANEY® nickel catalyst films printed on Al <sub>2</sub> O <sub>3</sub> and SiO <sub>2</sub> substrates. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 1823-1829	7.1	2
127	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
126	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
125	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

124	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
123	Trifluoroacetylazobenzene for optical and electrochemical detection of amines. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 4687-4694	13	30
122	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
121	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
120	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2014</b> , 20, 133-140	3.8	2
119	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
118	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
117	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
116	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
115	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
114	Gas Sensing and Thermal Transport Through Carbon-Nanotube-Based Nanodevices. <i>Challenges and Advances in Computational Chemistry and Physics</i> , <b>2014</b> , 99-136	0.7	0
113	Preparation and Investigation of p-GaAs/n-Cd <sub>1-x</sub> Zn <sub>x</sub> S <sub>1-y</sub> Te <sub>y</sub> Heterojunctions Deposited by Electrochemical Deposition. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , <b>2014</b> , 136,	2.3	3
112	Gold nanostructures for OCT imaging of capillary flow <b>2014</b> ,		2
111	Solder transfer of carbon nanotube microfin coolers to ceramic chips. <i>Applied Thermal Engineering</i> , <b>2014</b> , 65, 539-543	5.8	7
110	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
109	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
108	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
107	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

106	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
105	Isomerization of $\alpha$ -Pinene Oxide Over Iron-Modified Zeolites. <i>Topics in Catalysis</i> , <b>2013</b> , 56, 696-713	2.3	30
104	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
103	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
102	Nanostructures of Common Metals <b>2013</b> , 389-408		1
101	Thin micropatterned multi-walled carbon nanotube films for electrodes. <i>Chemical Physics Letters</i> , <b>2013</b> , 583, 87-91	2.5	14
100	Additions and corrections for Journal of Materials Chemistry published in 2013. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 15559	13	1
99	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
98	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
97	Effective dispersion of Au and AuM (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
96	Plasmon-resonant gold nanoparticles with variable morphology as optical labels and drug carriers for cytological research <b>2013</b> ,		3
95	Low-temperature catalytic oxidation of multi-walled carbon nanotubes. <i>Carbon</i> , <b>2013</b> , 57, 99-107	10.4	17
94	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
93	Isomerization of $\alpha$ -pinene oxide over Sn-modified zeolites. <i>Journal of Molecular Catalysis A</i> , <b>2013</b> , 366, 228-237		26
92	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
91	Thermal management of micro hotspots in electric components with carbon nanotubes. <i>International Journal of Nanotechnology</i> , <b>2013</b> , 10, 57	1.5	
90	Nanoparticle Dispersions <b>2013</b> , 729-776		1
89	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



88	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
87	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
86	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
85	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
84	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
83	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
82	Novel Printed Nanostructured Gas Sensors. <i>Procedia Engineering</i> , <b>2011</b> , 25, 896-899		9
81	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
80	Chemo-bio catalyzed synthesis of R-1-phenylethyl acetate over bimetallic PdZn catalysts, lipase, and Ru/Al <sub>2</sub> O <sub>3</sub> . part I. <i>Kinetics and Catalysis</i> , <b>2011</b> , 52, 72-76	1-5	4
79	Chemo-bio catalyzed synthesis of R-1-phenylethyl acetate over bimetallic PdZn catalysts, lipase, and Ru/Al <sub>2</sub> O <sub>3</sub> . Part II. <i>Kinetics and Catalysis</i> , <b>2011</b> , 52, 77-81	1-5	5
78	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
77	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
76	Oxidative dehydrogenation of a biomass derived lignan [Hydroxymatairesinol over heterogeneous gold catalysts. <i>Journal of Catalysis</i> , <b>2011</b> , 282, 54-64	7-3	27
75	Selective Oxidation of D-Galactose over Gold Catalysts. <i>ChemCatChem</i> , <b>2011</b> , 3, 1789-1798	5-2	23
74	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
73	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
72	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
71	Sugar hydrogenation over a Ru/C catalyst. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2011</b> , 86, 658-668	3-5	51



70	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
69	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
68	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
67	Gas sensors based on anodic tungsten oxide. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 153, 293-300	8.5	82
66	Mechanistic investigations of the reaction network in chemo-bio catalyzed synthesis of R-1-phenylethyl acetate. <i>Kinetics and Catalysis</i> , <b>2010</b> , 51, 809-815	1.5	1
65	SYNTHESIS OF CALCIUM-ALUMINO-SILICATE HYDRATES FROM OIL SHALE ASH IN DIFFERENT ALKALINE MEDIA. <i>Oil Shale</i> , <b>2010</b> , 27, 47	1.2	1
64	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
63	Low-temperature large-scale synthesis and electrical testing of ultralong copper nanowires. <i>Langmuir</i> , <b>2010</b> , 26, 16496-502	4	138
62	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
61	Electrical transport through single-wall carbon nanotube-anodic aluminum oxide-aluminum heterostructures. <i>Nanotechnology</i> , <b>2010</b> , 21, 035707	3.4	5
60	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
59	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
58	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
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54	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
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51	Carbon nanotube based sensors and fluctuation enhanced sensing. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2010</b> , 7, NA-NA		2
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42	Drift effect of fluctuation enhanced gas sensing on carbon nanotube sensors. <i>Physica Status Solidi (B): Basic Research</i> , <b>2008</b> , 245, 2343-2346	1.3	5
41	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
40	d-Lactose oxidation over gold catalysts. <i>Catalysis Today</i> , <b>2008</b> , 131, 385-392	5.3	56
39	SILCA supported ionic liquid catalysts for fine chemicals. <i>Applied Catalysis A: General</i> , <b>2007</b> , 328, 68-76	5.1	71
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