

# Yadollah Mortazavi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6023512/publications.pdf>

Version: 2024-02-01

158  
papers

5,597  
citations

61945

43  
h-index

106281

65  
g-index

158  
all docs

158  
docs citations

158  
times ranked

7083  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functionalization of nitrogen-doped graphene quantum dot: A sustainable carbon-based catalyst for the production of cyclic carbonate from epoxide and CO <sub>2</sub> . <i>Journal of Environmental Sciences</i> , 2023, 126, 408-422.	3.2	16
2	Tuning the band-gap and enhancing the trichloroethylene photocatalytic degradation activities of flower-like Ni-doped SnS <sub>2</sub> /SnO <sub>2</sub> heterostructures by partial oxidation. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107793.	3.3	8
3	Highly dispersed atomic layer deposited CrO <sub>x</sub> on SiO <sub>2</sub> catalyst with enhanced yield of propylene for CO <sub>2</sub> mediated oxidative dehydrogenation of propane. <i>Molecular Catalysis</i> , 2022, 526, 112396.	1.0	2
4	Facile ultrasonic-assisted synthesis of SiO <sub>2</sub> /ZnO core/shell nanostructures: A selective ethanol sensor at low temperatures with enhanced recovery. <i>Sensors and Actuators B: Chemical</i> , 2022, 368, 132187.	4.0	13
5	Effects of nitrogen-containing functional groups of reduced graphene oxide as a support for Pd in selective hydrogenation of cinnamaldehyde. <i>Research on Chemical Intermediates</i> , 2021, 47, 1429-1446.	1.3	4
6	Enormous enhancement of Pt/SnO <sub>2</sub> sensors response and selectivity by their reduction, to CO in automotive exhaust gas pollutants including CO, NO <sub>x</sub> and C <sub>3</sub> H <sub>8</sub> . <i>Applied Surface Science</i> , 2021, 546, 149120.	3.1	42
7	Functionalized open-ended vertically aligned carbon nanotube composite membranes with high salt rejection and enhanced slip flow for desalination. <i>Separation and Purification Technology</i> , 2021, 279, 119773.	3.9	12
8	Functionalization of silica membranes for CO <sub>2</sub> separation. <i>Separation and Purification Technology</i> , 2020, 235, 116207.	3.9	17
9	Asphaltene Adsorption onto Carbonaceous Nanostructures. <i>Energy &amp; Fuels</i> , 2020, 34, 211-224.	2.5	17
10	Cyclic molecular designed dispersion (CMD) of Fe <sub>2</sub> O <sub>3</sub> on CeO <sub>2</sub> promoted by Au for preferential CO oxidation in hydrogen. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 33598-33611.	3.8	6
11	Atmospheric pressure atomic layer deposition of iron oxide nanolayer on the Al <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> /Si substrate for mm-tall vertically aligned CNTs growth. <i>Journal of Materials Science</i> , 2020, 55, 13634-13657.	1.7	9
12	Self-regenerative function of Cu in LaMnCu <sub>0.1</sub> O <sub>3</sub> catalyst: Towards noble metal-free intelligent perovskites for automotive exhaust gas treatment. <i>Applied Catalysis A: General</i> , 2020, 602, 117702.	2.2	8
13	Titania-Supported Vanadium Oxide Synthesis by Atomic Layer Deposition and Its Application for Low-Temperature Oxidative Dehydrogenation of Propane. <i>Catalysis Letters</i> , 2020, 150, 2807-2822.	1.4	7
14	A hydrophobic/oleophilic chitosan-based sorbent: Toward an effective oil spill remediation technology. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103340.	3.3	30
15	A functionalized nano-structured cellulosic sorbent aerogel for oil spill cleanup: Synthesis and characterization. <i>Journal of Hazardous Materials</i> , 2019, 366, 229-239.	6.5	75
16	Au-promoted Ce-Zr catalytic filter for Pt/SnO <sub>2</sub> sensor to selectively detect methane and ethanol in the presence of interfering indoor gases. <i>Materials Science in Semiconductor Processing</i> , 2019, 90, 182-189.	1.9	15
17	Characteristics and performance of urea modified Pt-MWCNTs for electro-oxidation of methanol. <i>Applied Surface Science</i> , 2019, 467-468, 335-344.	3.1	16
18	Improving catalytic converter performance by controlling the structural and redox properties of Zr-doped CeO <sub>2</sub> nanorods supported Pd catalysts. <i>Research on Chemical Intermediates</i> , 2018, 44, 7753-7767.	1.3	2

#	ARTICLE	IF	CITATIONS
19	A Comparison of a Nanostructured Enzymeless Au/Fe <sub>2</sub> O <sub>3</sub> /MWCNTs/GCE Electrode and a GOx Modified One in Electrocatalytic Detection of Glucose. <i>Electroanalysis</i> , 2018, 30, 2044-2052.	1.5	3
20	Large-grain CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> film by incorporation of urea in one-step solution process. <i>Superlattices and Microstructures</i> , 2018, 123, 218-225.	1.4	2
21	The effect of amine functionalized carbon nanotubes as promising support for platinum nanoparticles on oxygen reduction reaction. <i>Scientia Iranica</i> , 2018, .	0.3	1
22	SnO <sub>2</sub> decorated SiO <sub>2</sub> chemical sensors: Enhanced sensing performance toward ethanol and acetone. <i>Materials Science in Semiconductor Processing</i> , 2017, 68, 87-96.	1.9	22
23	Understanding the mechanism of synthesis of Pt <sub>3</sub> Co intermetallic nanoparticles via preferential chemical vapor deposition. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24396-24406.	5.2	21
24	Microemulsion synthesized silica/ZnO stable core/shell sensors highly selective to ethanol with minimum sensitivity to humidity. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 1070-1083.	4.0	34
25	Graphene oxide/SnO <sub>2</sub> Nanocomposite as Sensing Material for Breathalyzers: Selective Detection of Ethanol in the presence of Automotive CO and Hydrocarbons Emissions. <i>Scientia Iranica</i> , 2017, .	0.3	4
26	H <sub>2</sub> O/air plasma-functionalized carbon nanotubes decorated with MnO <sub>2</sub> for glucose sensing. <i>RSC Advances</i> , 2016, 6, 31807-31815.	1.7	24
27	Effects of Combustion Catalyst Dispersed by a Novel Microemulsion Method as Fuel Additive on Diesel Engine Emissions, Performance, and Characteristics. <i>Energy &amp; Fuels</i> , 2016, 30, 3392-3402.	2.5	14
28	High flux acetate functionalized silica membranes based on in-situ co-condensation for CO <sub>2</sub> /N <sub>2</sub> separation. <i>Journal of Membrane Science</i> , 2016, 520, 574-582.	4.1	16
29	Fabrication of promoted TiO <sub>2</sub> nanotubes with superior catalytic activity against TiO <sub>2</sub> nanoparticles as the catalyst of oxo-desulfurization process. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 39, 66-76.	2.9	16
30	Artificial intelligence modeling of DME conversion to gasoline and light olefins over modified nano ZSM-5 catalysts. <i>Fuel</i> , 2016, 179, 79-86.	3.4	29
31	Highly sensitive and selective Gd <sub>2</sub> O <sub>3</sub> -doped SnO <sub>2</sub> ethanol sensors synthesized by a high temperature and pressure solvothermal method in a microreactor. <i>Sensors and Actuators B: Chemical</i> , 2016, 230, 130-139.	4.0	53
32	Atomic layer deposited Co/Al <sub>2</sub> O <sub>3</sub> catalyst with enhanced cobalt dispersion and Fischer-Tropsch synthesis activity and selectivity. <i>Applied Catalysis A: General</i> , 2016, 511, 31-46.	2.2	42
33	Plasma Functionalized Multiwalled Carbon Nanotubes for Immobilization of <i>Candida antarctica</i> Lipase B: Production of Biodiesel from Methanolysis of Rapeseed Oil. <i>Applied Biochemistry and Biotechnology</i> , 2016, 178, 974-989.	1.4	19
34	Functionalized MWCNTs effects on dramatic enhancement of MWCNTs/SnO <sub>2</sub> nanocomposite gas sensing properties at low temperatures. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 252-260.	4.0	28
35	Synergetic effects of plasma and metal oxide catalysts on diesel soot oxidation. <i>Applied Catalysis B: Environmental</i> , 2016, 182, 74-84.	10.8	57
36	Gallia-ZnO nanohybrid sensors with dramatically higher sensitivity to ethanol in presence of CO, methane and VOCs. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 576-585.	4.0	25

#	ARTICLE	IF	CITATIONS
37	Enhanced NO <sub>2</sub> gas sensing performance of bare and Pd-loaded SnO <sub>2</sub> thick film sensors under UV-light irradiation at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 429-439.	4.0	174
38	Effects of alumina phases as nickel supports on deep reactive adsorption of (4,6-dimethyl) dibenzothiophene: Comparison between $\gamma$ , $\delta$ , and $\theta$ -alumina. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 312-323.	10.8	47
39	Microporous titania-silica nanocomposite catalyst-adsorbent for ultra-deep oxidative desulfurization. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 65-77.	10.8	153
40	Characterization and Deactivation Study of Mixed Vanadium and Potassium Oxide Supported on Microemulsion-Mediated Titania Nanoparticles as Catalyst in Oxidative Dehydrogenation of Propane. <i>International Journal of Chemical Reactor Engineering</i> , 2015, 13, 9-19.	0.6	6
41	Enhanced methanol electro-oxidation reaction on Pt-CoOx/MWCNTs hybrid electro-catalyst. <i>Applied Surface Science</i> , 2015, 335, 55-64.	3.1	18
42	In <sub>2</sub> O <sub>3</sub> -ZnO nanocomposites: High sensor response and selectivity to ethanol. <i>Sensors and Actuators B: Chemical</i> , 2015, 212, 395-403.	4.0	55
43	Strong effects of gallia on structure and selective responses of Ga <sub>2</sub> O <sub>3</sub> -In <sub>2</sub> O <sub>3</sub> nanocomposite sensors to either ethanol, CO or CH <sub>4</sub> . <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 590-599.	4.0	28
44	A simple method for blocking defects in zeolite membranes. <i>Journal of Membrane Science</i> , 2015, 489, 270-274.	4.1	25
45	Cobalt supported on Graphene - A promising novel Fischer-Tropsch synthesis catalyst. <i>Applied Catalysis A: General</i> , 2015, 499, 188-196.	2.2	70
46	Combination of Plasma Functionalization and Phase Inversion Process Techniques for Efficient Dispersion of MWCNTs in Polyamide 6: Assessment through Morphological, Electrical, Rheological and Thermal Properties. <i>Polymer-Plastics Technology and Engineering</i> , 2015, 54, 632-638.	1.9	6
47	Enhancement of cobalt catalyst stability in Fischer-Tropsch synthesis using graphene nanosheets as catalyst support. <i>Chemical Engineering Research and Design</i> , 2015, 104, 713-722.	2.7	33
48	Highly active Fe <sub>2</sub> O <sub>3</sub> -doped TiO <sub>2</sub> photocatalyst for degradation of trichloroethylene in air under UV and visible light irradiation: Experimental and computational studies. <i>Applied Catalysis B: Environmental</i> , 2015, 165, 209-221.	10.8	117
49	Dual selective Pt/SnO <sub>2</sub> sensor to CO and propane in exhaust gases of gasoline engines using Pt/LaFeO <sub>3</sub> filter. <i>Sensors and Actuators B: Chemical</i> , 2015, 206, 617-623.	4.0	37
50	Ultra-low Electrical and Rheological Percolation Thresholds in PMMA/Plasma-Functionalized CNTs Nanocomposites. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 1450-1455.	1.9	12
51	Effects of nanoadditives on stability of Pt/SnO <sub>2</sub> as a sensing material for detection of CO. <i>Sensors and Actuators B: Chemical</i> , 2014, 191, 421-430.	4.0	19
52	Enhanced pyrolysis and oxidation of asphaltenes adsorbed onto transition metal oxides nanoparticles towards advanced in-situ combustion EOR processes by nanotechnology. <i>Applied Catalysis A: General</i> , 2014, 477, 159-171.	2.2	76
53	Palladium-Tin nanocatalysts in high concentration acetylene hydrogenation: A novel deactivation mechanism. <i>Fuel Processing Technology</i> , 2014, 120, 113-122.	3.7	24
54	Preferential chemical vapor deposition of ruthenium on cobalt with highly enhanced activity and selectivity for Fischer-Tropsch synthesis. <i>Applied Catalysis A: General</i> , 2014, 470, 221-231.	2.2	25

#	ARTICLE	IF	CITATIONS
55	Stability and catalytic performance of vanadia supported on nanostructured titania catalyst in oxidative dehydrogenation of propane. <i>Applied Surface Science</i> , 2014, 298, 26-35.	3.1	35
56	Rapid and clean amine functionalization of carbon nanotubes in a dielectric barrier discharge reactor for biosensor development. <i>Electrochimica Acta</i> , 2014, 115, 378-385.	2.6	27
57	Enhanced catalytic performance of Au/CuO@ZnO catalysts containing low CuO content for preferential oxidation of carbon monoxide in hydrogen-rich streams for PEMFC. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 2056-2066.	3.8	27
58	Highly Stable and Selective Non-Enzymatic Glucose Biosensor Using Carbon Nanotubes Decorated by Fe <sub>3</sub> O <sub>4</sub> Nanoparticles. <i>Journal of the Electrochemical Society</i> , 2014, 161, B19-B25.	1.3	42
59	Highly sensitive and selective ethanol sensor based on Sm <sub>2</sub> O <sub>3</sub> -loaded flower-like ZnO nanostructure. <i>Sensors and Actuators B: Chemical</i> , 2014, 191, 283-290.	4.0	75
60	Ultra-deep adsorptive desulfurization of a model diesel fuel on regenerable Ni-Cu/Al <sub>2</sub> O <sub>3</sub> at low temperatures in absence of hydrogen. <i>Journal of Hazardous Materials</i> , 2014, 271, 120-130.	6.5	88
61	Highly sensitive carbon nanotubes@SnO <sub>2</sub> nanocomposite sensor for acetone detection in diabetes mellitus breath. <i>Sensors and Actuators B: Chemical</i> , 2014, 205, 261-267.	4.0	104
62	Fast photocatalytic degradation of congo red using CoO-doped Zn-Ga <sub>2</sub> O <sub>3</sub> nanostructures. <i>RSC Advances</i> , 2014, 4, 33262-33268.	1.7	23
63	Cumene cracking activity and enhanced regeneration of FCC catalysts comprising HY-zeolite and LaBO <sub>3</sub> (B = Co, Mn, and Fe) perovskites. <i>Applied Catalysis A: General</i> , 2014, 487, 26-35.	2.2	14
64	Simultaneous Effect of the Catalyst Precursor Concentration and the Longitudinal Position on the Growth Patterns of Multiwalled Carbon Nanotubes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 1293-1300.	1.8	0
65	Enhanced methanol electro-oxidation activity of Pt/MWCNTs electro-catalyst using manganese oxide deposited on MWCNTs. <i>Electrochimica Acta</i> , 2014, 147, 192-200.	2.6	42
66	A comparison of effects of plasma and acid functionalizations on structure and electrical property of multi-wall carbon nanotubes. <i>Applied Surface Science</i> , 2014, 295, 66-70.	3.1	24
67	Enhanced triisopropylbenzene cracking and suppressed coking on tailored composite of Y-zeolite/amorphous silica-alumina catalyst. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 3037-3045.	2.9	37
68	Facile surface functionalization of multiwalled carbon nanotubes by soft dielectric barrier discharge plasma: Generate compatible interface for lipase immobilization. <i>Biochemical Engineering Journal</i> , 2014, 90, 16-26.	1.8	31
69	A Glucose Biosensor Based on Glucose Oxidase Immobilized on ZnO/Cu <sub>2</sub> O Graphene Oxide Nanocomposite Electrode. <i>Journal of the Electrochemical Society</i> , 2014, 161, B81-B87.	1.3	41
70	Ru promoted cobalt catalyst on Al <sub>2</sub> O <sub>3</sub> : Influence of different catalyst preparation method and Ru loadings on Fischer-Tropsch reaction and kinetics. <i>Applied Surface Science</i> , 2014, 313, 183-195.	3.1	42
71	Abatement of trichloroethylene using DBD plasma. <i>International Journal of Modern Physics Conference Series</i> , 2014, 32, 1460344.	0.7	1
72	Selective detection of unburned-hydrocarbon in the exhaust gas using catalytic filter. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
73	Plasma thiol-functionalized carbon nanotubes decorated with gold nanoparticles for glucose biosensor. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 488-495.	4.0	16
74	On the dispersion of CNTs in polyamide 6 matrix via solution methods: assessment through electrical, rheological, thermal and morphological analyses. <i>Polymer Bulletin</i> , 2013, 70, 2387-2398.	1.7	11
75	Asphaltene Adsorption onto Acidic/Basic Metal Oxide Nanoparticles toward in Situ Upgrading of Reservoir Oils by Nanotechnology. <i>Langmuir</i> , 2013, 29, 14135-14146.	1.6	165
76	Vanadium oxide decorated carbon nanotubes as a promising support of Pt nanoparticles for methanol electro-oxidation reaction. <i>Journal of Colloid and Interface Science</i> , 2013, 393, 291-299.	5.0	31
77	Highly sensitive gallia-SnO <sub>2</sub> nanocomposite sensors to CO and ethanol in presence of methane. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 45-52.	4.0	32
78	Catalytic evaluation of promoted CeO <sub>2</sub> -ZrO <sub>2</sub> by transition, alkali, and alkaline-earth metal oxides for diesel soot oxidation. <i>Journal of Environmental Sciences</i> , 2013, 25, 2498-2506.	3.2	37
79	Effect of mass transfer limitations on catalyst performance during reduction and carburization of iron based Fischer-Tropsch synthesis catalysts. <i>Journal of Energy Chemistry</i> , 2013, 22, 795-803.	7.1	14
80	SMFs-supported Pd nanocatalysts in selective acetylene hydrogenation: Pore structure-dependent deactivation mechanism. <i>Journal of Energy Chemistry</i> , 2013, 22, 717-725.	7.1	10
81	Vapor-phase selective o-alkylation of catechol with methanol over lanthanum phosphate and its modified catalysts with Ti and Cs. <i>Journal of Molecular Catalysis A</i> , 2013, 372, 79-83.	4.8	14
82	Sm <sub>2</sub> O <sub>3</sub> doped-SnO <sub>2</sub> nanoparticles, very selective and sensitive to volatile organic compounds. <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 910-918.	4.0	53
83	Highly enhanced response and selectivity of electrospun ZnO-doped SnO <sub>2</sub> sensors to ethanol and CO in presence of CH <sub>4</sub> . <i>Sensors and Actuators B: Chemical</i> , 2013, 184, 196-204.	4.0	51
84	The effects of excess manganese in nano-size lanthanum manganite perovskite on enhancement of trichloroethylene oxidation activity. <i>Chemical Engineering Journal</i> , 2013, 215-216, 827-837.	6.6	38
85	Preparation of highly active manganese oxides supported on functionalized MWNTs for low temperature NO <sub>x</sub> reduction with NH <sub>3</sub> . <i>Applied Surface Science</i> , 2013, 279, 250-259.	3.1	71
86	The sensing behaviour of metal oxides (ZnO, CuO and Sm <sub>2</sub> O <sub>3</sub> ) doped-SnO <sub>2</sub> for detection of low concentrations of chlorinated volatile organic compounds. <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 637-643.	4.0	42
87	Enhanced Trichloroethylene Catalytic Oxidation on Modified Lanthanum Manganite and Perovskites. <i>International Journal of Chemical Reactor Engineering</i> , 2013, 11, 353-359.	0.6	1
88	Coupled Metal Oxide-Doped Pt/SnO <sub>2</sub> Semiconductor and Yttria-Stabilized Zirconia Electrochemical Sensors for Detection of VOCs. <i>Journal of the Electrochemical Society</i> , 2013, 160, B218-B224.	1.3	28
89	Kinetic Modeling of Carbon Nanotube Production and Minimization of Amorphous Carbon Overlayer Deposition in Floating Catalyst Method. <i>International Journal of Chemical Reactor Engineering</i> , 2012, 10, .	0.6	3
90	A Comparative Evaluation of TiO <sub>2</sub> Suspension Coating Techniques: A Novel Technique to Achieve Optimal Thickness and Uniformity of Photocatalytic Film. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-9.	1.4	4

#	ARTICLE	IF	CITATIONS
91	Effect of partial substitution of lanthanum by strontium or bismuth on structural features of the lanthanum manganite nanoparticles as a catalyst for carbon monoxide oxidation. <i>Catalysis Communications</i> , 2012, 28, 32-37.	1.6	21
92	CeO <sub>2</sub> doped ZnO flower-like nanostructure sensor selective to ethanol in presence of CO and CH <sub>4</sub> . <i>Sensors and Actuators B: Chemical</i> , 2012, 169, 67-73.	4.0	75
93	The role of tin-promoted Pd/MWNTs via the management of carbonaceous species in selective hydrogenation of high concentration acetylene. <i>Applied Surface Science</i> , 2012, 263, 513-522.	3.1	28
94	Modeling the Growth of Carbon Nanotubes in a Floating Catalyst Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 1143-1149.	1.8	17
95	Apple-like biomorphic synthesis of porous ZnO nanostructures for glucose direct electrochemical biosensor. <i>Current Applied Physics</i> , 2012, 12, 1033-1038.	1.1	40
96	Highly sensitive and selective sensors to volatile organic compounds using MWCNTs/SnO <sub>2</sub> . <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 150-155.	4.0	66
97	Rapid and enhanced functionalization of MWCNTs in a dielectric barrier discharge plasma in presence of diluted CO <sub>2</sub> . <i>Applied Physics A: Materials Science and Processing</i> , 2012, 106, 829-836.	1.1	11
98	Preferential Oxidation of CO Based on Electro-Thermally Assisted Catalytic Ni/Cu Nanostructures on Si Micro-Grass. <i>ECS Transactions</i> , 2011, 35, 37-41.	0.3	0
99	Short time synthesis of high quality carbon nanotubes with high rates by CVD of methane on continuously emerged iron nanoparticles. <i>Applied Surface Science</i> , 2011, 257, 9710-9716.	3.1	19
100	Comparative model analysis of the performance of tube fitted bulk monolithic catalyst with conventional pellet shapes for natural gas reforming. <i>Journal of Industrial and Engineering Chemistry</i> , 2011, 17, 767-776.	2.9	11
101	Nanostructured SnO <sub>2</sub> -ZnO sensors: Highly sensitive and selective to ethanol. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 1298-1303.	4.0	86
102	Studies on accelerated deactivation of ruthenium-promoted alumina-supported alkalized cobalt Fischer-Tropsch synthesis catalyst. <i>Journal of Natural Gas Chemistry</i> , 2011, 20, 65-71.	1.8	9
103	Kinetic study of oxidative coupling of methane over Mn and/or W promoted Na <sub>2</sub> SO <sub>4</sub> /SiO <sub>2</sub> catalysts. <i>Journal of Natural Gas Chemistry</i> , 2011, 20, 428-434.	1.8	13
104	Effects of excess manganese in lanthanum manganite perovskite on lowering oxidation light-off temperature for automotive exhaust gas pollutants. <i>Chemical Engineering Journal</i> , 2011, 169, 282-289.	6.6	48
105	Effects of Pd on enhancement of oxidation activity of LaBO <sub>3</sub> (B=Mn, Fe, Co and Ni) perovskite catalysts for pollution abatement from natural gas fueled vehicles. <i>Applied Catalysis B: Environmental</i> , 2011, 102, 62-70.	10.8	72
106	Microwave assisted fast synthesis of various ZnO morphologies for selective detection of CO, CH <sub>4</sub> and ethanol. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 737-742.	4.0	108
107	A novel continuous process for synthesis of carbon nanotubes using iron floating catalyst and MgO particles for CVD of methane in a fluidized bed reactor. <i>Applied Surface Science</i> , 2010, 256, 2769-2774.	3.1	30
108	Stability and thermal conductivity of nanofluids of tin dioxide synthesized via microwave-induced combustion route. <i>Chemical Engineering Journal</i> , 2010, 156, 471-478.	6.6	97

#	ARTICLE	IF	CITATIONS
109	Oxidative coupling of methane over (Na <sub>2</sub> WO <sub>4</sub> +Mn or Ce)/SiO <sub>2</sub> catalysts: In situ measurement of electrical conductivity. <i>Journal of Natural Gas Chemistry</i> , 2010, 19, 35-42.	1.8	28
110	The effects of carrier gas and liquid feed flow rates on longitudinal patterns of CNT growth. <i>Materials Chemistry and Physics</i> , 2010, 124, 1139-1145.	2.0	4
111	Effect of citric acid concentration as emulsifier on perovskite phase formation of nano-sized SrMnO <sub>3</sub> and SrCoO <sub>3</sub> samples. <i>Crystal Research and Technology</i> , 2010, 45, 1064-1068.	0.6	38
112	Modification of single wall carbon nanotubes (SWNT) for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 9489-9495.	3.8	75
113	CO and ethanol dual selective sensor of Sm <sub>2</sub> O <sub>3</sub> -doped SnO <sub>2</sub> nanoparticles synthesized by microwave-induced combustion. <i>Sensors and Actuators B: Chemical</i> , 2010, 144, 131-138.	4.0	72
114	Low temperature CO and CH <sub>4</sub> dual selective gas sensor using SnO <sub>2</sub> quantum dots prepared by sonochemical method. <i>Sensors and Actuators B: Chemical</i> , 2010, 145, 7-12.	4.0	111
115	Highly selective Pt/SnO <sub>2</sub> sensor to propane or methane in presence of CO and ethanol, using gold nanoparticles on Fe <sub>2</sub> O <sub>3</sub> catalytic filter. <i>Sensors and Actuators B: Chemical</i> , 2010, 147, 400-405.	4.0	38
116	Alkaline- and template-free hydrothermal synthesis of stable SnO <sub>2</sub> nanoparticles and nanorods for CO and ethanol gas sensing. <i>Sensors and Actuators B: Chemical</i> , 2010, 151, 140-145.	4.0	75
117	Tube fitted bulk monolithic catalyst as novel structured reactor for gas-solid reactions. <i>Applied Catalysis A: General</i> , 2010, 385, 214-223.	2.2	29
118	Activity enhancement of Cu-doped ceria by reductive regeneration of CuO-CeO <sub>2</sub> catalyst for preferential oxidation of CO in H <sub>2</sub> -rich streams. <i>Chemical Engineering Journal</i> , 2010, 164, 214-220.	6.6	53
119	Fast and clean functionalization of carbon nanotubes by dielectric barrier discharge plasma in air compared to acid treatment. <i>Carbon</i> , 2010, 48, 1369-1379.	5.4	133
120	Plasma Functionalization of MWCNTs in He Followed by NH <sub>3</sub> Treatment and its Application in PMMA Based Nanocomposites. <i>Plasma Processes and Polymers</i> , 2010, 7, 1001-1009.	1.6	24
121	Novel Microwave-Induced Combustion Synthesis of SnO <sub>2</sub> Nanoparticles for Selective Sensing of CO Using Tin Chloride. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 6003-6008.	0.9	16
122	Performance of CaX Zeolite for Separation of C <sub>2</sub> H <sub>6</sub> , C <sub>2</sub> H <sub>4</sub> , and CH <sub>4</sub> by Adsorption Process; Capacity, Selectivity, and Dynamic Adsorption Measurements. <i>Separation Science and Technology</i> , 2010, 46, 349-355.	1.3	49
123	A novel biosensor using entangled carbon nanotubes layer grown on an alumina substrate by CCVD of methane on FeO-MgO. <i>Sensors and Actuators B: Chemical</i> , 2009, 141, 526-531.	4.0	14
124	Acetic acid effects on enhancement of growth rate and reduction of amorphous carbon deposition on CNT arrays along a growth window in a floating catalyst reactor. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 97, 417-424.	1.1	8
125	Hydrothermal gasification of glucose using Raney nickel and homogeneous organometallic catalysts. <i>Fuel Processing Technology</i> , 2009, 90, 145-151.	3.7	59
126	Synergetic effects of Y-zeolite and amorphous silica-alumina as main FCC catalyst components on triisopropylbenzene cracking and coke formation. <i>Fuel Processing Technology</i> , 2009, 90, 171-179.	3.7	90





#	ARTICLE	IF	CITATIONS
145	Selective Sensor to LPG in presence of CO using nanogold filter, operating at low temperature, with Pt/SnO <sub>2</sub> . , 2006, , .		1
146	CeO <sub>2</sub> doped SnO <sub>2</sub> sensor selective to ethanol in presence of CO, LPG and CH <sub>4</sub> . Sensors and Actuators B: Chemical, 2005, 108, 172-176.	4.0	125
147	Enhancement of distillate selectivity in Fischerâ€“Tropsch synthesis on a Co/SiO <sub>2</sub> catalyst by hydrogen distribution along a fixed-bed reactor. Fuel Processing Technology, 2005, 86, 1253-1264.	3.7	12
148	Modeling of Methane Oxidative Coupling under Periodic Operation by Neural Network. Chemical Engineering and Technology, 2005, 28, 581-586.	0.9	6
149	Oxygen sensor with solid-state CeO <sub>2</sub> â€“ZrO <sub>2</sub> â€“TiO <sub>2</sub> reference. Sensors and Actuators B: Chemical, 2005, 108, 341-345.	4.0	29
150	PECVD-growth of carbon nanotubes using a modified tip-plate configuration. Carbon, 2004, 42, 1043-1047.	5.4	23
151	Cerium oxide/SnO <sub>2</sub> -based semiconductor gas sensors with improved sensitivity to CO. Sensors and Actuators B: Chemical, 2001, 80, 267-271.	4.0	88
152	Dynamics of Catalytic Methane Coupling. Industrial & Engineering Chemistry Research, 1997, 36, 2970-2975.	1.8	1
153	Catalytic methane coupling under periodic operation. Canadian Journal of Chemical Engineering, 1996, 74, 683-694.	0.9	4
154	Periodic operation of the oxidative coupling of methane on Ce/Li/MgO catalyst. Studies in Surface Science and Catalysis, 1992, , 119-121.	1.5	1
155	Fabrication of SnO/ <sub>2</sub> -based semiconductor gas sensors for combustible and pollutant gases. , 0, , .		0
156	Oxygen Sensor with Solid-State CeO <sub>2</sub> -TiO <sub>2</sub> Reference. , 0, , .		0
157	Highly selectivte sensor to CH/ <sub>4</sub> in presence of CO and ethanol using LaCoO/ <sub>3</sub> perovskite filter with Pt/SnO/ <sub>2</sub> . , 0, , .		1
158	An Efficient Forward Biasing Body Bias Generator for Clock Delayed Domino Logic. , 0, , .		0