Mariya A Kazakova

List of Publications by Year in descending order

40 papers	1,041 citations	430442 18 h-index	433756 31 g-index
42 all docs	42 docs citations	42 times ranked	1021 citing authors

#	Article	IF	Citations
1	Trimetallic Mnâ€Feâ€Ni Oxide Nanoparticles Supported on Multiâ€Walled Carbon Nanotubes as Highâ€Performance Bifunctional ORR/OER Electrocatalyst in Alkaline Media. Advanced Functional Materials, 2020, 30, 1905992.	7.8	209
2	Raman spectra for characterization of defective CVD multiâ€walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2014, 251, 2444-2450.	0.7	81
3	Fe/Co/Ni mixed oxide nanoparticles supported on oxidized multi-walled carbon nanotubes as electrocatalysts for the oxygen reduction and the oxygen evolution reactions in alkaline media. Catalysis Today, 2020, 357, 259-268.	2.2	53
4	Bifunctional Oxygen Reduction/Oxygen Evolution Activity of Mixed Fe/Co Oxide Nanoparticles with Variable Fe/Co Ratios Supported on Multiwalled Carbon Nanotubes. ChemSusChem, 2018, 11, 1204-1214.	3.6	49
5	Electrocatalytic Conversion of Glycerol to Oxalate on Ni Oxide Nanoparticles-Modified Oxidized Multiwalled Carbon Nanotubes. ACS Catalysis, 2022, 12, 982-992.	5.5	49
6	Magnetic and dielectric properties of carbon nanotubes with embedded cobalt nanoparticles. Carbon, 2017, 114, 39-49.	5.4	45
7	Facile synthesis of nanosized Îµ-Fe2O3 particles on the silica support. Journal of Nanoparticle Research, 2011, 13, 5527-5534.	0.8	42
8	Comparative study of MWCNT and alumina supported CĐ¾MĐ¾ hydrotreating catalysts prepared with citric acid as chelating agent. Catalysis Today, 2020, 357, 221-230.	2.2	32
9	Internal field 59Co NMR study of cobalt-iron nanoparticles during the activation of CoFe2/CaO catalyst for carbon nanotube synthesis. Journal of Catalysis, 2018, 358, 62-70.	3.1	31
10	Aldose to ketose interconversion: galactose and arabinose isomerization over heterogeneous catalysts. Catalysis Science and Technology, 2017, 7, 5321-5331.	2.1	29
11	Co metal nanoparticles deposition inside or outside multi-walled carbon nanotubes via facile support pretreatment. Applied Surface Science, 2018, 456, 657-665.	3.1	29
12	Structure of the in situ produced polyethylene based composites modified with multi-walled carbon nanotubes: In situ synchrotron X-ray diffraction and differential scanning calorimetry study. Composites Science and Technology, 2018, 167, 148-154.	3.8	28
13	Co/multi-walled carbon nanotubes/polyethylene composites for microwave absorption: Tuning the effectiveness of electromagnetic shielding by varying the components ratio. Composites Science and Technology, 2021, 207, 108731.	3.8	27
14	Feâ€“Mo and Coâ€“Mo Catalysts with Varying Composition for Multiâ€Walled Carbon Nanotube Growth. Physica Status Solidi (B): Basic Research, 2018, 255, 1700260.	0.7	26
15	Investigation of electromagnetic properties of MWCNT aerogels produced via catalytic ethylene decomposition. Physica Status Solidi (B): Basic Research, 2015, 252, 2519-2523.	0.7	23
16	Investigation of defectiveness of multiwalled carbon nanotubes produced with Feâ€“Co catalysts of different composition. Journal of Nanophotonics, 2016, 10, 012526.	0.4	22
17	Comparative study of multiwalled carbon nanotube/polyethylene composites produced via different techniques. Physica Status Solidi (B): Basic Research, 2014, 251, 2437-2443.	0.7	21
18	Co/multi-walled carbon nanotubes as highly efficient catalytic nanoreactor for hydrogen production from formic acid. International Journal of Hydrogen Energy, 2020, 45, 19420-19430.	3.8	21

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19	State of iron in nanoparticles prepared by impregnation of silica gel and aluminum oxide with FeSO4 solutions. Physics of the Solid State, 2010, 52, 826-837.	0.2	19
20	Laser modification of optical properties of a carbon nanotube suspension in dimethylformamide. Technical Physics Letters, 2013, 39, 337-340.	0.2	18
21	Mono-, Bi-, and Trimetallic Catalysts for the Synthesis of Multiwalled Carbon Nanotubes Based on Iron Subgroup Metals. Journal of Structural Chemistry, 2020, 61, 640-651.	0.3	16
22	Structural and electromagnetic properties of Fe2Co-multi-walled carbon nanotubes-polystyrene based composite. Journal of Alloys and Compounds, 2020, 844, 156107.	2.8	16
23	In situ Polymerization Technique for Obtaining Composite Materials Based on Polyethylene, Multi-walled Carbon Nanotubes and Cobalt Nanoparticles. Russian Journal of Applied Chemistry, 2018, 91, 127-135.	0.1	15
24	Use of Carbon Materials of Different Nature in Determining Metal Concentrations in Carbon Nanotubes by X-Ray Fluorescence Spectrometry. Journal of Analytical Chemistry, 2020, 75, 312-319.	0.4	15
25	Boosting hydrodesulfurization activity of CoMo/Al2O3 catalyst via selective graphitization of alumina surface. Microporous and Mesoporous Materials, 2021, 317, 111008.	2.2	15
26	Electromagnetic Interaction Between Spherical Aerogels of Multiâ€Walled Carbon Nanotubes. Physica Status Solidi (B): Basic Research, 2018, 255, 1700256.	0.7	13
27	Nitrogen and Oxygen Functionalization of Multiâ€Walled Carbon Nanotubes for Tuning the Bifunctional Oxygen Reduction/Oxygen Evolution Performance of Supported FeCo Oxide Nanoparticles. ChemElectroChem, 2021, 8, 2803-2816.	1.7	13
28	Nafionâ€Induced Reduction of Manganese and its Impact on the Electrocatalytic Properties of a Highly Active MnFeNi Oxide for Bifunctional Oxygen Conversion**. ChemElectroChem, 2021, 8, 2979-2983.	1.7	13
29	Preparation of supported iron-containing catalysts from a FeSo4 solution: The effect of the support. Kinetics and Catalysis, 2009, 50, 874-877.	0.3	10
30	Evolution of the Fe3+ Ion Local Environment During the Phase Transition Îµ-Fe2O3 â†' Î±-Fe2O3. Journal of Superconductivity and Novel Magnetism, 2018, 31, 1209-1217.	0.8	10
31	The sum is more than its parts: stability of MnFe oxide nanoparticles supported on oxygen-functionalized multi-walled carbon nanotubes at alternating oxygen reduction reaction and oxygen evolution reaction conditions. Journal of Solid State Electrochemistry, 2020, 24, 2901-2906.	1.2	10
32	Superparamagnetic behaviour of metallic Co nanoparticles according to variable temperature magnetic resonance. Physical Chemistry Chemical Physics, 2021, 23, 2723-2730.	1.3	10
33	Effect of Organic Additives on the Structure and Hydrotreating Activity of a CoMoS/Multiwalled Carbon Nanotube Catalyst. Industrial & Engineering Chemistry Research, 2020, 59, 20612-20623.	1.8	9
34	Electromagnetic Parameters of Composite Materials Based on Polyethylene and Multi-Walled Carbon Nanotubes Modified by Iron Oxide Nanoparticles. Russian Journal of Applied Chemistry, 2018, 91, 1994-2002.	0.1	4
35	Dielectric Properties of Hybrid Polyethylene Composites Containing Cobalt Nanoparticles and Carbon Nanotubes. Materials, 2022, 15, 1876.	1.3	4
36	Effect of calcination temperature on the physicochemical and catalytic properties of FeSO4/SiO2 in hydrogen sulfide oxidation. Kinetics and Catalysis, 2011, 52, 896-906.	0.3	3

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37	Benzylation of benzene by benzyl chloride over silica-supported iron sulfate catalysts. Mendeleev Communications, 2014, 24, 231-232.	0.6	3
38	Modification of the surface of carbon fibers with multi-walled carbon nanotubes and its effect on mechanical characteristics of composites with epoxy resin. Russian Journal of Applied Chemistry, 2016, 89, 1969-1977.	0.1	3
39	Graphitization of alumina as a way to stabilize its textural characteristics under hydrothermal conditions. Microporous and Mesoporous Materials, 2022, 341, 112038.	2.2	3
40	Synthesis of Highly Dispersed Pt Catalysts on MWCNTs via Hydrolytic Deposition without Preliminary Modification of the Support. Advanced Materials Research, 0, 1040, 399-404.	0.3	1