

Zoltn Knya

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6896406/zoltan-konya-publications-by-year.pdf>

Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

519 papers	10,628 citations	54 h-index	83 g-index
563 ext. papers	12,050 ext. citations	4.5 avg, IF	6.26 L-index

#	Paper	IF	Citations
519	EDTA analogues Unconventional inhibitors of gypsum precipitation. <i>Journal of Molecular Structure</i> , 2022 , 1256, 132491	3.4	1
518	Morphological aspects determine the catalytic activity of porous hydrocalumites: the role of the sacrificial templates. <i>Materials Today Chemistry</i> , 2022 , 23, 100682	6.2	1
517	Photocatalytic CO2 Reduction. <i>Green Chemistry and Sustainable Technology</i> , 2022 , 605-646	1.1	
516	Nature of the Pt-Cobalt-Oxide surface interaction and its role in the CO2 Methanation. <i>Applied Surface Science</i> , 2022 , 571, 151326	6.7	1
515	Effect of Excess B in Ni2P-Coated Boron Nitride on the Photocatalytic Hydrogen Evolution from Water Splitting. <i>ACS Applied Energy Materials</i> , 2022 , 5, 3578-3586	6.1	2
514	Mechanochemical preparation of NiCuSn nanoparticles and composites in presence of cetyltrimethylammonium bromide (CTAB) and the catalytic application of the products in homocoupling and hydration of terminal alkynes. <i>Journal of Molecular Structure</i> , 2022 , 132948	3.4	
513	Efficient charge separation and improved photocatalytic activity in Type-II & Type-III heterojunction based multiple interfaces in BiOClBr-Q: DFT and experimental insight.. <i>Chemosphere</i> , 2022 , 134122	8.4	1
512	Exfoliation of black phosphorus in isopropanol-water cosolvents. <i>Journal of Molecular Structure</i> , 2022 , 1260, 132862	3.4	1
511	Preparation and characterization of MnIn-layered double hydroxides (LDHs), extension of the synthesis to fabricate MnM(III)-LDHs (M=Al, Sc, Cr, Fe, Ga), and the comparison of their photocatalytic and catalytic activities in the oxidation of hydroquinone. <i>Journal of Molecular Structure</i> , 2022 , 1261, 132868	3.4	1
510	Niacin and niacin-pillared layered double hydroxidesNovel organocatalysts based on pyridine. <i>Journal of Molecular Structure</i> , 2022 , 1261, 132868	3.4	0
509	Dependence of Photocatalytic Activity on the Morphology of Strontium Titanates. <i>Catalysts</i> , 2022 , 12, 523	4	1
508	Investigation of the adsorption properties of cyclic C6 molecules on h-BN/Rh(111) surface, efforts to cover the boron nitride nanomesh by graphene. <i>Surfaces and Interfaces</i> , 2022 , 102034	4.1	0
507	Preparation of TiO2/MoO3 composite nanofibers by water-based electrospinning process and their application in photocatalysis. <i>Materials Science in Semiconductor Processing</i> , 2022 , 147, 106699	4.3	1
506	Mechanochemically induced solid-state CO2 capture during the synthesis of SnO2 nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , 2022 , 167, 110775	3.9	
505	A round dance of acetaldehyde molecular ensembles on Rh(111) surface; formation and decomposition of various paraldehyde conformers. <i>Journal of Molecular Structure</i> , 2022 , 133311	3.4	
504	Epigallocatechine-3-gallate Inhibits the Adipogenesis of Human Mesenchymal Stem Cells via the Regulation of Protein Phosphatase-2A and Myosin Phosphatase. <i>Cells</i> , 2022 , 11, 1704	7.9	0
503	Optimization of layering technique and secondary structure analysis during the formulation of nanoparticles containing lysozyme by quality by design approach. <i>PLoS ONE</i> , 2021 , 16, e0260603	3.7	1

502	Bioplastics and Carbon-Based Sustainable Materials, Components, and Devices: Toward Green Electronics. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 49301-49312	9.5	4
501	The dissolution kinetics of raw and mechanochemically treated kaolinites in industrial spent liquor The effect of the physico-chemical properties of the solids. <i>Applied Clay Science</i> , 2021 , 203, 105994	5.2	0
500	Quality-by-Design-Based Development of n-Propyl-Gallate-Loaded Hyaluronic-Acid-Coated Liposomes for Intranasal Administration. <i>Molecules</i> , 2021 , 26,	4.8	7
499	Stability of Boron Nitride Nanosphere Dispersions in the Presence of Polyelectrolytes. <i>Langmuir</i> , 2021 , 37, 5399-5407	4	
498	Are Smaller Nanoparticles Always Better? Understanding the Biological Effect of Size-Dependent Silver Nanoparticle Aggregation Under Biorelevant Conditions. <i>International Journal of Nanomedicine</i> , 2021 , 16, 3021-3040	7.3	11
497	Nesting Well-Defined Pt Nanoparticles within a Hierarchically Porous Polymer as a Heterogeneous SuzukiMiyaura Catalyst. <i>ACS Applied Nano Materials</i> , 2021 , 4, 4070-4076	5.6	0
496	Damage-tolerant 3D-printed ceramics via conformal coating. <i>Science Advances</i> , 2021 , 7,	14.3	5
495	An Updated Risk Assessment as Part of the QbD-Based Liposome Design and Development. <i>Pharmaceutics</i> , 2021 , 13,	6.4	3
494	Mechanochemical synthesis of the NiSn, CuSn bimetallic and NiCuSn trimetallic nanocomposites using various types of additives. <i>Journal of Solid State Chemistry</i> , 2021 , 293, 121756	3.3	2
493	A colloid chemistry route for the preparation of hierarchically ordered mesoporous layered double hydroxides using surfactants as sacrificial templates. <i>Journal of Colloid and Interface Science</i> , 2021 , 581, 928-938	9.3	8
492	Nitric oxide signalling in plant nanobiology: current status and perspectives. <i>Journal of Experimental Botany</i> , 2021 , 72, 928-940	7	7
491	Long-term effect of graphene oxide on the aerobic granular sludge wastewater treatment process. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104853	6.8	9
490	Synthesis of iron oxide nanoparticles for DNA purification. <i>Journal of Dispersion Science and Technology</i> , 2021 , 42, 693-700	1.5	5
489	Exploiting a silverBismuth hybrid material as heterogeneous noble metal catalyst for decarboxylations and decarboxylative deuterations of carboxylic acids under batch and continuous flow conditions. <i>Green Chemistry</i> , 2021 , 23, 4685-4696	10	1
488	Metallic Nanoparticles in Heterogeneous Catalysis. <i>Catalysis Letters</i> , 2021 , 151, 2153	2.8	12
487	Binder-Free Construction of a Methanol Tolerant Pt/TiO ₂ /Carbon Paper Anode by Atomic Layer Deposition. <i>Catalysts</i> , 2021 , 11, 154	4	1
486	Preparation of TiO/WO/C/N Composite Nanofibers by Electrospinning Using Precursors Soluble in Water and Their Photocatalytic Activity in Visible Light. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
485	Green Silver and Gold Nanoparticles: Biological Synthesis Approaches and Potentials for Biomedical Applications. <i>Molecules</i> , 2021 , 26,	4.8	46

484	Specific Ion Effects on Aggregation and Charging Properties of Boron Nitride Nanospheres. <i>Langmuir</i> , 2021 , 37, 2466-2475	4	9
483	Complexity of a Co ₃ O ₄ System under Ambient-Pressure CO ₂ Methanation: Influence of Bulk and Surface Properties on the Catalytic Performance. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 7130-7141	3.8	8
482	Composites of ion-in-conjugation polysquaraine and SWCNTs for the detection of HS and NH ₄ ⁺ at ppb concentrations. <i>Nanotechnology</i> , 2021 ,	3.4	1
481	Raman Spectral Signatures of Serum-Derived Extracellular Vesicle-Enriched Isolates May Support the Diagnosis of CNS Tumors. <i>Cancers</i> , 2021 , 13,	6.6	3
480	Surface Engineering of CeO ₂ Catalysts: Differences Between Solid Solution Based and Interfacially Designed Ce _{1-x} M _x O ₂ and MO/CeO ₂ (M = Zn, Mn) in CO ₂ Hydrogenation Reaction. <i>Catalysis Letters</i> , 2021 , 151, 3477	2.8	6
479	Role of active metals Cu, Co, and Ni on ceria towards CO ₂ thermo-catalytic hydrogenation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021 , 133, 699	1.6	1
478	Development of a Hydrophobicity-Controlled Delivery System Containing Levodopa Methyl Ester Hydrochloride Loaded into a Mesoporous Silica. <i>Pharmaceutics</i> , 2021 , 13,	6.4	1
477	Microcystin-LR, a cyanobacterial toxin affects root development by changing levels of PIN proteins and auxin response in Arabidopsis roots. <i>Chemosphere</i> , 2021 , 276, 130183	8.4	3
476	Removing low levels of Cd(II) and Pb(II) by adsorption on two types of oxidized multiwalled carbon nanotubes. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105402	6.8	13
475	Manipulating the crystallization kinetics and morphology of gypsum, CaSO ₄ ·2H ₂ O via addition of citrate at high levels of supersaturation and the effect of high salinity. <i>Polyhedron</i> , 2021 , 204, 115253	2.7	1
474	Fast and accurate lacunarity calculation for large 3D micro-CT datasets. <i>Acta Materialia</i> , 2021 , 214, 116980	7.4	3
473	Three-dimensional printing of complex graphite structures. <i>Carbon</i> , 2021 , 181, 260-269	10.4	7
472	Polyvinyl-Pyrrolidone-Coated Silver Nanoparticles-The Colloidal, Chemical, and Biological Consequences of Steric Stabilization under Biorelevant Conditions. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
471	Copper-Loaded Layered Bismuth Subcarbonate-Efficient Multifunctional Heterogeneous Catalyst for Concerted C-S/C-N Heterocyclization. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 42650-42661	9.5	1
470	and -like Species from European Indoor Environments Include sp. nov. <i>Pathogens</i> , 2021 , 10,	4.5	3
469	Nanoremediation: Tiny Objects Solving Huge Environmental Problems. <i>Recent Patents on Nanotechnology</i> , 2021 , 15, 245-255	1.2	0
468	Investigation of the efficiency of BiOI/BiOCl composite photocatalysts using UV, cool and warm white LED light sources - Photon efficiency, toxicity, reusability, matrix effect, and energy consumption. <i>Chemosphere</i> , 2021 , 280, 130636	8.4	6
467	Conventional or mechanochemically-aided intercalation of diclofenac and naproxen anions into the interlamellar space of CaFe-layered double hydroxides and their application as dermal drug delivery systems. <i>Applied Clay Science</i> , 2021 , 212, 106233	5.2	3

466	Combustion method combined with sonochemical step for synthesis of maghemite-supported catalysts for the hydrogenation of 2,4-dinitrotoluene. <i>Catalysis Communications</i> , 2021 , 159, 106342	3.2	2
465	Development of dexamethasone-loaded mixed polymeric micelles for nasal delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2021 , 166, 105960	5.1	5
464	Size controlled Pt over mesoporous NiO nanocomposite catalysts: thermal catalysis vs. photocatalysis. <i>Journal of Porous Materials</i> , 2021 , 28, 605-615	2.4	0
463	In Vitro Comparative Study of Solid Lipid and PLGA Nanoparticles Designed to Facilitate Nose-to-Brain Delivery of Insulin.. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
462	Presence of Titanium and Toxic Effects Observed in Rat Lungs, Kidneys, and Central Nervous System in vivo and in Cultured Astrocytes in vitro on Exposure by Titanium Dioxide Nanorods. <i>International Journal of Nanomedicine</i> , 2020 , 15, 9939-9960	7.3	5
461	Dangling-to-Interstitial Oxygen Transition and Its Modifications of the Electronic Structure in Few-Layer Phosphorene. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 24066-24072	3.8	2
460	Differential Precipitation of Mg(OH) from CaSO ₄ ·2H ₂ O Using Citrate as Inhibitor-A Promising Concept for Reagent Recovery from MgSO Waste Streams. <i>Molecules</i> , 2020 , 25,	4.8	2
459	CuBe Incorporated Graphene-Oxide Nanocomposite as Highly Efficient Catalyst in the Degradation of Dichlorodiphenyltrichloroethane (DDT) from Aqueous Solution. <i>Topics in Catalysis</i> , 2020 , 63, 1314-1324	2.3	6
458	Grid-type transparent conductive thin films of carbon nanotubes as capacitive touch sensors. <i>Nanotechnology</i> , 2020 , 31, 305303	3.4	6
457	Temperature-Dependent Electrical Transport Properties of Single-Walled Carbon Nanotube Thin Films Prepared by Electrohydrodynamic Atomization Technique. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020 , 217, 2000029	1.6	1
456	CuI ₂ BiOI is an efficient novel catalyst in Ullmann-type CN couplings with wide scope& rare non-photocatalytic application. <i>Molecular Catalysis</i> , 2020 , 493, 111072	3.3	2
455	Cost-effective ion-tuning of Birnessite structures for efficient ORR electrocatalysts. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 16266-16276	6.7	4
454	The Potassium-Induced Decomposition Pathway of HCOOH on Rh(111). <i>Catalysts</i> , 2020 , 10, 675	4	5
453	Adsorption of Azobenzene on Hexagonal Boron Nitride Nanomesh Supported by Rh(111). <i>Journal of Physical Chemistry C</i> , 2020 , 124, 14182-14194	3.8	2
452	One-pot mechanochemical ball milling synthesis of the MnO nanostructures as efficient catalysts for CO hydrogenation reactions. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 13999-14012	3.6	10
451	Use of carbon paste electrode and modified by gold nanoparticles for selected macrolide antibiotics determination as standard and in pharmaceutical preparations. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 873, 114324	4.1	5
450	Efficient visible-light piezophototronic activity of ZnO-Ag ₈ S hybrid for degradation of organic dye molecule. <i>Journal of Physics and Chemistry of Solids</i> , 2020 , 143, 109473	3.9	9
449	Rh-induced Support Transformation and Rh Incorporation in Titanate Structures and Their Influence on Catalytic Activity. <i>Catalysts</i> , 2020 , 10, 212	4	3

448	Nitro-oxidative signalling induced by chemically synthesized zinc oxide nanoparticles (ZnO NPs) in Brassica species. <i>Chemosphere</i> , 2020 , 251, 126419	8.4	23
447	Porosity determination of nano- and sub-micron particles by single particle inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2020 , 35, 1139-1147	3.7	7
446	Comparing the Adsorption Performance of Multiwalled Carbon Nanotubes Oxidized by Varying Degrees for Removal of Low Levels of Copper, Nickel and Chromium(VI) from Aqueous Solutions. <i>Water (Switzerland)</i> , 2020 , 12, 723	3	15
445	Role of Brønsted and Lewis acidic sites in sulfonated Zr-MCM-41 for the catalytic reaction of cellulose into 5-hydroxymethyl furfural. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020 , 130, 825-836	1.6	11
444	Microcomputed tomographyBased characterization of advanced materials: a review. <i>Materials Today Advances</i> , 2020 , 8, 100084	7.4	22
443	Size-dependent activity of silver nanoparticles on the morphological switch and biofilm formation of opportunistic pathogenic yeasts. <i>BMC Microbiology</i> , 2020 , 20, 176	4.5	14
442	Sulfur nanoparticles transform montmorillonite into an inorganic surfactant applicable in thermoplastics processing. <i>Polymer Testing</i> , 2020 , 85, 106419	4.5	2
441	Catalytic activity of maghemite supported palladium catalyst in nitrobenzene hydrogenation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020 , 129, 107-116	1.6	6
440	Core-shell nanoparticles suppress metastasis and modify the tumour-supportive activity of cancer-associated fibroblasts. <i>Journal of Nanobiotechnology</i> , 2020 , 18, 18	9.4	23
439	Selective transformation of ethanol to acetaldehyde catalyzed by Au/h-BN interface prepared on Rh(111) surface. <i>Applied Catalysis A: General</i> , 2020 , 592, 117440	5.1	5
438	Synergistic Radiosensitization by Gold Nanoparticles and the Histone Deacetylase Inhibitor SAHA in 2D and 3D Cancer Cell Cultures. <i>Nanomaterials</i> , 2020 , 10,	5.4	9
437	Ultrasound-Assisted Hydrazine Reduction Method for the Preparation of Nickel Nanoparticles, Physicochemical Characterization and Catalytic Application in Suzuki-Miyaura Cross-Coupling Reaction. <i>Nanomaterials</i> , 2020 , 10,	5.4	8
436	Ambient pressure CO ₂ hydrogenation over a cobalt/manganese-oxide nanostructured interface: A combined in situ and ex situ study. <i>Journal of Catalysis</i> , 2020 , 386, 70-80	7.3	11
435	Sonochemical Deposition of Palladium Nanoparticles Onto the Surface of N-Doped Carbon Nanotubes: A Simplified One-Step Catalyst Production Method. <i>Catalysis Letters</i> , 2020 , 150, 505-513	2.8	4
434	Fast optical method for characterizing plasmonic nanoparticle adhesion on functionalized surfaces. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 3395-3404	4.4	2
433	Luminescence and color properties of Ho ³⁺ co-activated Sr ₄ Al ₁₄ O ₂₅ : Eu ²⁺ , Dy ³⁺ phosphors. <i>Journal of Luminescence</i> , 2020 , 220, 116980	3.8	2
432	Chronic responses of aerobic granules to the presence of graphene oxide in sequencing batch reactors. <i>Journal of Hazardous Materials</i> , 2020 , 389, 121905	12.8	15
431	Isocupreidinate-CaAl-layered double hydroxide compositesHeterogenized catalysts for asymmetric Michael addition. <i>Molecular Catalysis</i> , 2020 , 482, 110675	3.3	3

430	Layered double alkoxides a novel group of layered double hydroxides without water content. <i>Materials Research Letters</i> , 2020 , 8, 68-74	7.4	2
429	NiZnAl-Based Oxide/Spinel Nanostructures for High Performance, Methane-Selective CO ₂ Hydrogenation Reactions. <i>Catalysis Letters</i> , 2020 , 150, 1527-1536	2.8	7
428	Preparation of sulfur hydrophobized plasmonic photocatalyst towards durable superhydrophobic coating material. <i>Journal of Materials Science and Technology</i> , 2020 , 41, 159-167	9.1	5
427	Green and selective toluene oxidationKnoevenagel-condensation domino reaction over Ce- and Bi-based CeBi mixed oxide mixtures. <i>Journal of Catalysis</i> , 2020 , 381, 308-315	7.3	16
426	On the effects of milling and thermal regeneration on the luminescence properties of Eu ²⁺ and Dy ³⁺ doped strontium aluminate phosphors. <i>Journal of Luminescence</i> , 2020 , 219, 116917	3.8	18
425	Squalenoylated Nanoparticle Pro-Drugs of Adjuvant Antitumor 11 β -Hydroxycdysteroid 2,3-Acetonides Act as Cytoprotective Agents Against Doxorubicin and Paclitaxel. <i>Frontiers in Pharmacology</i> , 2020 , 11, 552088	5.6	2
424	Mechanochemical and wet chemical syntheses of CaIn-layered double hydroxide and its performance in a transesterification reaction compared to those of other Ca ₂ M(III) hydrocalumites (M: Al, Sc, V, Cr, Fe, Ga) and Mg(II)-, Ni(II)-, Co(II)- or Zn(II)-based hydrotalcites. <i>Journal of Catalysis</i> , 2020 , 391, 282-297	7.3	14
423	ZnO nanoparticles induce cell wall remodeling and modify ROS/ RNS signalling in roots of Brassica seedlings. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 206, 111158	7	14
422	Phosphorus-loaded alumina supported nickel catalysts for CO ₂ hydrogenation: Ni ₂ P/Ni ₅ P ₁₂ drives activity. <i>Molecular Catalysis</i> , 2020 , 494, 111113	3.3	2
421	Electric and Photocatalytic Properties of Graphene Oxide Depending on the Degree of Its Reduction. <i>Nanomaterials</i> , 2020 , 10,	5.4	2
420	A mineralogically-inspired silverBismuth hybrid material: Structure, stability and application for catalytic benzyl alcohol dehydrogenations under continuous flow conditions. <i>Molecular Catalysis</i> , 2020 , 498, 111263	3.3	2
419	Quality by Design Based Formulation Study of Meloxicam-Loaded Polymeric Micelles for Intranasal Administration. <i>Pharmaceutics</i> , 2020 , 12,	6.4	19
418	Nitrogen doped carbon aerogel composites with TiO ₂ and ZnO prepared by atomic layer deposition. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 6891-6899	7.1	6
417	Nature inspired solid-liquid phase amphibious adhesive. <i>Soft Matter</i> , 2020 , 16, 5854-5860	3.6	2
416	Inhibition of protein phosphatase-1 and -2A by ellagitannins: structure-inhibitory potency relationships and influences on cellular systems. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019 , 34, 500-509	5.6	4
415	Endoplasmic reticulum stress: major player in size-dependent inhibition of P-glycoprotein by silver nanoparticles in multidrug-resistant breast cancer cells. <i>Journal of Nanobiotechnology</i> , 2019 , 17, 9	9.4	35
414	Silver nanoparticles: aggregation behavior in biorelevant conditions and its impact on biological activity. <i>International Journal of Nanomedicine</i> , 2019 , 14, 667-687	7.3	55
413	Synergetic of Pt Nanoparticles and H-ZSM-5 Zeolites for Efficient CO ₂ Activation: Role of Interfacial Sites in High Activity. <i>Frontiers in Materials</i> , 2019 , 6,	4	14

412	Noble-metal-free and Pt nanoparticles-loaded, mesoporous oxides as efficient catalysts for CO ₂ hydrogenation and dry reforming with methane. <i>Journal of CO₂ Utilization</i> , 2019 , 32, 106-118	7.6	26
411	Influencing the texture and morphological properties of layered double hydroxides with the most diluted solvent mixtures The effect of 68 carbon alcohols and temperature. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 574, 146-153	5.1	4
410	Green synthesis and immobilization of gold nanoparticles and their application for the reduction of -nitrophenol in continuous-flow mode.. <i>RSC Advances</i> , 2019 , 9, 9193-9197	3.7	8
409	Beyond Nanoparticles: The Role of Sub-nanosized Metal Species in Heterogeneous Catalysis. <i>Catalysis Letters</i> , 2019 , 149, 1441	2.8	12
408	Effects of ultrasonic irradiation on the synthesis, crystallization, thermal and dissolution behaviour of chloride-intercalated, co-precipitated CaFe-layered double hydroxide. <i>Ultrasonics Sonochemistry</i> , 2019 , 55, 165-173	8.9	10
407	Dissection of the regulatory role for the N-terminal domain in Candida albicans protein phosphatase Z1. <i>PLoS ONE</i> , 2019 , 14, e0211426	3.7	5
406	Placing Ni(II) Ions in Various Positions In/On Layered Double Hydroxides: Synthesis, Characterization and Testing in C-C Coupling Reactions. <i>Catalysis Letters</i> , 2019 , 149, 2899-2905	2.8	1
405	Structural reconstruction of mechanochemically disordered CaFe-layered double hydroxide. <i>Applied Clay Science</i> , 2019 , 174, 138-145	5.2	13
404	L-Selectin Expression is Influenced by Phosphatase Activity in Chronic Lymphocytic Leukemia. <i>Cytometry Part B - Clinical Cytometry</i> , 2019 , 96, 149-157	3.4	4
403	Rapid, trace-level direct cathodic voltammetric determination of dopamine by oxidized multiwalled carbon nanotube-modified carbon paste electrode in selected samples of pharmaceutical importance. <i>Ionics</i> , 2019 , 25, 6093-6106	2.7	7
402	Composition-Dependent Optical and Photoelectrochemical Behavior of Antimony Oxide Iodides. <i>Journal of the Electrochemical Society</i> , 2019 , 166, H3202-H3207	3.9	2
401	Ultrasonically-assisted mechanochemical synthesis of zinc aluminate spinel from aluminium-rich layered double hydroxide. <i>Journal of Solid State Chemistry</i> , 2019 , 272, 227-233	3.3	5
400	Aging Impairs Cerebrovascular Reactivity at Preserved Resting Cerebral Arteriolar Tone and Vascular Density in the Laboratory Rat. <i>Frontiers in Aging Neuroscience</i> , 2019 , 11, 301	5.3	6
399	Novel route to synthesize CaAl- and MgAl-layered double hydroxides with highly regular morphology. <i>Journal of Sol-Gel Science and Technology</i> , 2019 , 89, 844-851	2.3	4
398	Mechanochemically modified hydrazine reduction method for the synthesis of nickel nanoparticles and their catalytic activities in the Suzuki-Miyaura cross-coupling reaction. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019 , 126, 857-868	1.6	5
397	Designed Pt Promoted 3D Mesoporous Co ₃ O ₄ Catalyst in CO Hydrogenation. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 436-441	1.3	4
396	Gold Size Effect in the Thermal-Induced Reaction of CO and H ₂ on Titania- and Titanate Nanotube-Supported Gold Catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 470-477	1.3	10
395	Size-Dependent H ₂ S Sensing Over Supported Pt Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 459-464	1.3	0

394	Co(II)-amino acid/CaAl-layered double hydroxide composites. Construction and characterization. <i>Journal of Molecular Structure</i> , 2019 , 1179, 263-268	3.4	3
393	Electrical and Photoelectrical Characteristics of Bi/Porous Bi/CdS Heterojunctions. <i>Russian Physics Journal</i> , 2019 , 61, 1660-1666	0.7	6
392	Effects of medium and nickel salt source in the synthesis and catalytic performance of nano-sized nickel in the Suzuki-Miyaura cross-coupling reaction. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019 , 126, 841-855	1.6	1
391	Trace level voltammetric determination of Zn(II) in selected nutrition related samples by bismuth-oxychloride-multiwalled carbon nanotube composite based electrode. <i>Microchemical Journal</i> , 2019 , 146, 178-186	4.8	9
390	The aggregation behaviour of 2H-imidazole-2-thione derivatives in solution, the solid state and over polycrystalline gold surface. <i>Journal of Molecular Structure</i> , 2019 , 1180, 26-30	3.4	
389	Noble-Metal-Free Iron Nitride/Nitrogen-Doped Graphene Composite for the Oxygen Reduction Reaction. <i>ACS Omega</i> , 2019 , 4, 130-139	3.9	21
388	Outstanding Activity and Selectivity of Controlled Size Pt Nanoparticles Over WO ₃ Nanowires in Ethanol Decomposition Reaction. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 478-483	1.3	4
387	Preparation of photocatalytic thin films with composition dependent wetting properties and self-healing ability. <i>Catalysis Today</i> , 2019 , 328, 85-90	5.3	11
386	Amperometric Determination of Glucose in White Grape and in Tablets as Ingredient by Screen-Printed Electrode Modified with Glucose Oxidase and Composite of Platinum and Multiwalled Carbon Nanotubes. <i>Food Analytical Methods</i> , 2019 , 12, 570-580	3.4	8
385	Ball Milling of Copper Powder Under Dry and Surfactant-Assisted Conditions-On the Way Towards Cu/Cu ₂ O Nanocatalyst. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 389-394	1.3	6
384	Effect of Particle Restructuring During Reduction Processes Over Polydopamine-Supported Pd Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 484-491	1.3	5
383	The Synthesis and Use of Nano Nickel Catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 453-458	1.3	3
382	Aralkyl selenoglycosides and related selenosugars in acetylated form activate protein phosphatase-1 and -2A. <i>Bioorganic and Medicinal Chemistry</i> , 2018 , 26, 1875-1884	3.4	6
381	In Situ DRIFTS and NAP-XPS Exploration of the Complexity of CO ₂ Hydrogenation over Size-Controlled Pt Nanoparticles Supported on Mesoporous NiO. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 5553-5565	3.8	48
380	Hydrogen evolution in the photocatalytic reaction between methane and water in the presence of CO ₂ on titanate and titania supported Rh and Au catalysts. <i>Topics in Catalysis</i> , 2018 , 61, 875-888	2.3	14
379	Effect of sonication time on the synthesis of the CdS nanoparticle based multiwall carbon nanotube/maleic anhydride γ -octene nanocomposites. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018 , 26, 255-262	1.8	7
378	Thermo-optical properties of residential coals and combustion aerosols. <i>Atmospheric Environment</i> , 2018 , 178, 118-128	5.3	12
377	Reforming of ethanol on Co/Al ₂ O ₃ catalysts reduced at different temperatures. <i>Journal of Catalysis</i> , 2018 , 358, 118-130	7.3	31

376	A mineralogically-inspired silverBismuth hybrid material: an efficient heterogeneous catalyst for the direct synthesis of nitriles from terminal alkynes. <i>Green Chemistry</i> , 2018 , 20, 1007-1019	10	11
375	Diversity of Pd-Cu active sites supported on pristine carbon nanotubes in terms of water denitration structure sensitivity. <i>Applied Catalysis A: General</i> , 2018 , 559, 187-194	5.1	7
374	One step synthesis of chlorine-free Pt/Nitrogen-doped graphene composite for oxygen reduction reaction. <i>Carbon</i> , 2018 , 133, 90-100	10.4	19
373	Green synthesis of gold nanoparticles by thermophilic filamentous fungi. <i>Scientific Reports</i> , 2018 , 8, 3943	4.9	182
372	Syntheses, characterization and catalytic activities of CaAl-layered double hydroxide intercalated Fe(III)-amino acid complexes. <i>Catalysis Today</i> , 2018 , 306, 42-50	5.3	8
371	Development and characterization of multi-element doped hydroxyapatite bioceramic coatings on metallic implants for orthopedic applications. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2018 , 57, 55-65	1.9	24
370	Pulse electrodeposition and characterization of non-continuous, multi-element-doped hydroxyapatite bioceramic coatings. <i>Journal of Solid State Electrochemistry</i> , 2018 , 22, 555-566	2.6	7
369	Co4N/nitrogen-doped graphene: A non-noble metal oxygen reduction electrocatalyst for alkaline fuel cells. <i>Applied Catalysis B: Environmental</i> , 2018 , 237, 826-834	21.8	57
368	Chemical characterization of laboratory-generated tar ball particles. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 10407-10418	6.8	19
367	Biosynthesized silver and gold nanoparticles are potent antimycotics against opportunistic pathogenic yeasts and dermatophytes. <i>International Journal of Nanomedicine</i> , 2018 , 13, 695-703	7.3	48
366	Tuning the Activity and Selectivity of Phenylacetylene Hydrosilylation with Triethylsilane in the Liquid Phase over Size Controlled Pt Nanoparticles. <i>Catalysts</i> , 2018 , 8, 22	4	2
365	Myosin phosphatase accelerates cutaneous wound healing by regulating migration and differentiation of epidermal keratinocytes via Akt signaling pathway in human and murine skin. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018 , 1864, 3268-3280	6.9	3
364	Morphology Conserving High Efficiency Nitrogen Doping of Titanate Nanotubes by NH3 Plasma. <i>Topics in Catalysis</i> , 2018 , 61, 1263-1273	2.3	4
363	Ag or Au Nanoparticles Decorated Multiwalled Carbon Nanotubes Coated Carbon Paste Electrodes for Amperometric Determination of H2O2. <i>Topics in Catalysis</i> , 2018 , 61, 1350-1361	2.3	12
362	Rapid amperometric determination of H2O2 by a Pt nanoparticle/Vulcan XC72 composite-coated carbon paste electrode in disinfection and contact lens solutions. <i>Monatshefte für Chemie</i> , 2018 , 149, 1727-1738	1.4	4
361	A novel carbon tipped single micro-optrode for combined optogenetics and electrophysiology. <i>PLoS ONE</i> , 2018 , 13, e0193836	3.7	8
360	Acetone improves the topographical homogeneity of liquid phase exfoliated few-layer black phosphorus flakes. <i>Nanotechnology</i> , 2018 , 29, 365303	3.4	14
359	Ultrasonically-enhanced preparation, characterization of CaFe-layered double hydroxides with various interlayer halide, azide and oxo anions (CO, NO, ClO). <i>Ultrasonics Sonochemistry</i> , 2018 , 40, 853-860	8.9	17

358	Allyl-Isothiocyanate and Microcystin-LR Reveal the Protein Phosphatase Mediated Regulation of Metaphase-Anaphase Transition in. <i>Frontiers in Plant Science</i> , 2018 , 9, 1823	6.2	4
357	Comment on "Causation or only correlation? Application of causal inference graphs for evaluating causality in nano-QSAR models" by N. Sizochenko, A. Gajewicz, J. Leszczynski and T. Puzyn, <i>Nanoscale</i> , 2016, 8, 7203. <i>Nanoscale</i> , 2018 , 10, 20863-20866	7.7	3
356	Pulmonary impact of titanium dioxide nanorods: examination of nanorod-exposed rat lungs and human alveolar cells. <i>International Journal of Nanomedicine</i> , 2018 , 13, 7061-7077	7.3	6
355	Investigation of the Compressibility and Compactibility of Titanate Nanotube-API Composites. <i>Materials</i> , 2018 , 11,	3.5	1
354	Quantitative Tracking of the Oxidation of Black Phosphorus in the Few-Layer Regime. <i>ACS Omega</i> , 2018 , 3, 12482-12488	3.9	20
353	Development and Application of Carbon-Layer-Stabilized, Nitrogen-Doped, Bamboo-Like Carbon Nanotube Catalysts in CO Hydrogenation. <i>ChemistryOpen</i> , 2018 , 7, 789-796	2.3	7
352	AuRh Surface Structures on Rh(111): DFT Insights into the Formation of an Ordered Surface Alloy. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 22435-22447	3.8	3
351	Reaction and Diffusion Paths of Water and Hydrogen on Rh Covered Black Titania. <i>Topics in Catalysis</i> , 2018 , 61, 1362-1374	2.3	1
350	Effect of Gold on the Adsorption Properties of Acetaldehyde on Clean and h-BN Covered Rh(111) Surface. <i>Topics in Catalysis</i> , 2018 , 61, 1247-1256	2.3	6
349	Tailoring the hexagonal boron nitride nanomesh on Rh(111) with gold. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 15473-15485	3.6	14
348	Potential solvents in coupling reactions catalyzed by Cu(II)Fe(III)-layered double hydroxide in a continuous-flow reactor. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017 , 121, 345-351	1.6	2
347	Systematic comparison of saturation effects and afterglow properties of Sr ₄ Al ₁₄ O ₂₅ :Eu, Dy phosphor excited by alpha and beta ionizing sources and UV light. <i>Journal of Molecular Structure</i> , 2017 , 1140, 89-98	3.4	3
346	Borate-containing layered double hydroxide composites: synthesis, characterization and application as catalysts in the Beckmann rearrangement reaction of cyclohexanone oxime. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017 , 121, 241-254	1.6	2
345	Voltammetric behavior and determination of the macrolide antibiotics azithromycin, clarithromycin and roxithromycin at a renewable silver amalgam film electrode. <i>Electrochimica Acta</i> , 2017 , 229, 334-344	6.7	24
344	Silica-Based Catalyst Supports Are Inert, Are They Not?: Striking Differences in Ethanol Decomposition Reaction Originated from Meso- and Surface-Fine-Structure Evidenced by Small-Angle X-ray Scattering. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 5130-5136	3.8	7
343	pH-regulated antimony oxychloride nanoparticle formation on titanium oxide nanostructures: a photocatalytically active heterojunction. <i>CrystEngComm</i> , 2017 , 19, 1408-1416	3.3	2
342	Mn(II)-containing layered double hydroxide composites: synthesis, characterization and an application in Ullmann diaryl etherification. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017 , 121, 175-184	1.6	2
341	Exploring Pd/Al ₂ O ₃ Catalysed Redox Isomerisation of Allyl Alcohol as a Platform to Create Structural Diversity. <i>Catalysis Letters</i> , 2017 , 147, 1834-1843	2.8	3

340	Adsorption, polymerization and decomposition of acetaldehyde on clean and carbon-covered Rh(111) surfaces. <i>Surface Science</i> , 2017 , 664, 129-136	1.8	11
339	Kinetic, equilibrium and thermodynamic studies of thiamethoxam adsorption by multi-walled carbon nanotubes. <i>International Journal of Environmental Science and Technology</i> , 2017 , 14, 1297-1306	3.3	7
338	Screen-printed enzymatic glucose biosensor based on a composite made from multiwalled carbon nanotubes and palladium containing particles. <i>Mikrochimica Acta</i> , 2017 , 184, 1987-1996	5.8	15
337	Determination of the platinum concentration of a Pt/silica nanocomposite decorated with ultra small Pt nanoparticles using single particle inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2017 , 32, 996-1003	3.7	16
336	Photoelectrochemistry by Design: Tailoring the Nanoscale Structure of Pt/NiO Composites Leads to Enhanced Photoelectrochemical Hydrogen Evolution Performance. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 12148-12158	3.8	16
335	Interplay of myosin phosphatase and protein phosphatase-2A in the regulation of endothelial nitric-oxide synthase phosphorylation and nitric oxide production. <i>Scientific Reports</i> , 2017 , 7, 44698	4.9	9
334	Titania nanotube stabilized BiOCl nanoparticles in visible-light photocatalysis. <i>RSC Advances</i> , 2017 , 7, 16410-16422	3.7	11
333	The promotion of CO dissociation by molybdenum oxide overlayers on rhodium. <i>Surface Science</i> , 2017 , 657, 1-9	1.8	5
332	Physicochemical characterisation and investigation of the bonding mechanisms of API-titanate nanotube composites as new drug carrier systems. <i>International Journal of Pharmaceutics</i> , 2017 , 518, 119-129	6.5	4
331	Room temperature ethanol sensor with sub-ppm detection limit: Improving the optical response by using mesoporous silica foam. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 1205-1213	8.5	14
330	Structure and stability of boron doped titanate nanotubes and nanowires. <i>Vacuum</i> , 2017 , 138, 120-124	3.7	11
329	Thin-walled nanoscrolls by multi-step intercalation from tubular halloysite-10 and its rearrangement upon peroxide treatment. <i>Applied Surface Science</i> , 2017 , 399, 245-254	6.7	9
328	From nicotinate-containing layered double hydroxides (LDHs) to NAD coenzyme II DH nanocomposites Syntheses and structural characterization by various spectroscopic methods. <i>Journal of Molecular Structure</i> , 2017 , 1140, 39-45	3.4	1
327	Synthesis, characterization and photocatalytic activity of crystalline Mn(II)Cr(III)-layered double hydroxide. <i>Catalysis Today</i> , 2017 , 284, 195-201	5.3	17
326	Molybdenum anchoring effect in FeMo/MgO catalyst for multiwalled carbon nanotube synthesis. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017 , 122, 775-791	1.6	7
325	Nitridation of one-dimensional tungsten oxide nanostructures: Changes in structure and photoactivity. <i>Electrochimica Acta</i> , 2017 , 256, 299-306	6.7	12
324	Facile synthesis route of graphene-like structures from multiwall carbon nanotubes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2017 , 25, 540-544	1.8	6
323	Mixed Oxides Without Added Noble Metals Derived from Layered Double Hydroxides of the Hydrotalcite Type in the Hydrodechlorination Reaction of Trichloroethylene. <i>Catalysis Letters</i> , 2017 , 147, 2910-2919	2.8	1

322	Localized growth of carbon nanotubes via lithographic fabrication of metallic deposits. <i>Beilstein Journal of Nanotechnology</i> , 2017 , 8, 2592-2605	3	2
321	Comparative study on the rheological properties and tablettability of various APIs and their composites with titanate nanotubes. <i>Powder Technology</i> , 2017 , 321, 419-427	5.2	1
320	Ni-Amino Acid/CaAl-Layered Double Hydroxide Composites: Construction, Characterization and Catalytic Properties in Oxidative Transformations. <i>Topics in Catalysis</i> , 2017 , 60, 1429-1438	2.3	7
319	Portable cyber-physical system for indoor and outdoor gas sensing. <i>Sensors and Actuators B: Chemical</i> , 2017 , 252, 983-990	8.5	11
318	Photoelectrical response of mesoporous nickel oxide decorated with size controlled platinum nanoparticles under argon and oxygen gas. <i>Catalysis Today</i> , 2017 , 284, 37-43	5.3	8
317	On-chip integrated vertically aligned carbon nanotube based super- and pseudocapacitors. <i>Scientific Reports</i> , 2017 , 7, 16594	4.9	26
316	Biological activity of green-synthesized silver nanoparticles depends on the applied natural extracts: a comprehensive study. <i>International Journal of Nanomedicine</i> , 2017 , 12, 871-883	7.3	85
315	Size-Dependent Toxicity Differences of Intratracheally Instilled Manganese Oxide Nanoparticles: Conclusions of a Subacute Animal Experiment. <i>Biological Trace Element Research</i> , 2016 , 171, 156-66	4.5	20
314	Molecular Insights into the Fungus-Specific Serine/Threonine Protein Phosphatase Z1 in <i>Candida albicans</i> . <i>MBio</i> , 2016 , 7,	7.8	19
313	The growth and thermal properties of Au deposited on Rh(111): formation of an ordered surface alloy. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 25230-25240	3.6	7
312	Understanding the role of post-CCVD synthetic impurities, functional groups and functionalization-based oxidation debris on the behaviour of carbon nanotubes as a catalyst support in cyclohexene hydrogenation over Pd nanoparticles. <i>RSC Advances</i> , 2016 , 6, 88538-88545	3.7	1
311	Sorption Behaviour of Trichlorobenzenes and Polycyclic Aromatic Hydrocarbons in the Absence or Presence of Carbon Nanotubes in the Aquatic Environment. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	4
310	Photo-induced reactions in the CO ₂ -methane system on titanate nanotubes modified with Au and Rh nanoparticles. <i>Applied Catalysis B: Environmental</i> , 2016 , 199, 473-484	21.8	87
309	The Effect of Rh on the Interaction of Co with Al ₂ O ₃ and CeO ₂ Supports. <i>Catalysis Letters</i> , 2016 , 146, 1800-1807	2.8	11
308	Estimation of the solubility product of hydrocalumite hydroxide, a layered double hydroxide with the formula of [Ca ₂ Al(OH) ₆](OH) ₂ ·H ₂ O. <i>Journal of Physics and Chemistry of Solids</i> , 2016 , 98, 167-173	3.9	8
307	Qualitative Discrimination Analysis of Coals Based on Their Laser-Induced Breakdown Spectra. <i>Energy & Fuels</i> , 2016 , 30, 10306-10313	4.1	9
306	A novel WS ₂ nanowire-nanoflake hybrid material synthesized from WO ₃ nanowires in sulfur vapor. <i>Scientific Reports</i> , 2016 , 6, 25610	4.9	16
305	Catalytic Hydrogenation of d-Xylose Over Ru Decorated Carbon Foam Catalyst in a SpinChem® Rotating Bed Reactor. <i>Topics in Catalysis</i> , 2016 , 59, 1165-1177	2.3	24

304	Albumin adsorption study onto hydroxyapatite-multiwall carbon nanotube based composites. <i>Materials Chemistry and Physics</i> , 2016 , 180, 314-325	4.4	7
303	Cu(II)-amino acid-CaAl-layered double hydroxide complexes, recyclable, efficient catalysts in various oxidative transformations. <i>Journal of Molecular Catalysis A</i> , 2016 , 423, 49-60		17
302	Atomic scale characterization and surface chemistry of metal modified titanate nanotubes and nanowires. <i>Surface Science Reports</i> , 2016 , 71, 473-546	12.9	76
301	Ion exchange defines the biological activity of titanate nanotubes. <i>Journal of Basic Microbiology</i> , 2016 , 56, 557-65	2.7	12
300	Mn(II)-amino acid complexes intercalated in CaAl-layered double hydroxide - Well-characterized, highly efficient, recyclable oxidation catalysts. <i>Journal of Catalysis</i> , 2016 , 335, 125-134	7.3	32
299	Mesoporous carbon-supported Pd nanoparticles with high specific surface area for cyclohexene hydrogenation: Outstanding catalytic activity of NaOH-treated catalysts. <i>Surface Science</i> , 2016 , 648, 114-119	1.8	8
298	Mechanochemical synthesis and intercalation of Ca(II)Fe(III)-layered double hydroxides. <i>Journal of Solid State Chemistry</i> , 2016 , 233, 236-243	3.3	24
297	Environmentally Benign Synthesis Methods of Zero-Valent Iron Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 291-297	8.3	51
296	Silver nanoparticles modulate ABC transporter activity and enhance chemotherapy in multidrug resistant cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 601-610	6	40
295	Impact of the morphology and reactivity of nanoscale zero-valent iron (NZVI) on dechlorinating bacteria. <i>Water Research</i> , 2016 , 95, 165-73	12.5	34
294	Removal of As(III) and Cr(VI) from aqueous solutions using -Green- zero-valent iron nanoparticles produced by oak, mulberry and cherry leaf extracts. <i>Ecological Engineering</i> , 2016 , 90, 42-49	3.9	89
293	Ultrasonically-enhanced mechanochemical synthesis of CaAl-layered double hydroxides intercalated by a variety of inorganic anions. <i>Ultrasonics Sonochemistry</i> , 2016 , 31, 409-16	8.9	30
292	Flow-driven morphology control in the cobalt-oxalate system. <i>CrystEngComm</i> , 2016 , 18, 2057-2064	3.3	16
291	Stability and Temperature-Induced Agglomeration of Rh Nanoparticles Supported by CeO ₂ . <i>Langmuir</i> , 2016 , 32, 2761-70	4	35
290	Synthesis and characterization of CdS nanocrystals in Maleic anhydride-Octene-1-Vinylbutyl Ether terpolymer matrix. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016 , 81, 150-155	3	3
289	Voltammetric behavior of erythromycin ethylsuccinate at a renewable silver-amalgam film electrode and its determination in urine and in a pharmaceutical preparation. <i>Electrochimica Acta</i> , 2016 , 191, 44-54	6.7	15
288	Analysis of Two Putative Candida albicans Phosphopantothenoylcysteine Decarboxylase / Protein Phosphatase Z Regulatory Subunits Reveals an Unexpected Distribution of Functional Roles. <i>PLoS ONE</i> , 2016 , 11, e0160965	3.7	8
287	Propionic Acid Produced by Propionibacterium acnes Strains Contributes to Their Pathogenicity. <i>Acta Dermato-Venereologica</i> , 2016 , 96, 43-9	2.2	31

286	Modulating chromatin structure and DNA accessibility by deacetylase inhibition enhances the anti-cancer activity of silver nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 146, 670-7	6	28
285	Silver nanoparticles defeat p53-positive and p53-negative osteosarcoma cells by triggering mitochondrial stress and apoptosis. <i>Scientific Reports</i> , 2016 , 6, 27902	4.9	79
284	Ultrasound-enhanced milling in the synthesis of phase-pure, highly crystalline ZnAl-layered double hydroxide of low Zn(II) content. <i>Particuology</i> , 2016 , 27, 29-33	2.8	15
283	Characterisation of diesel particulate emission from engines using commercial diesel and biofuels. <i>Atmospheric Environment</i> , 2016 , 134, 109-120	5.3	15
282	Hydrodynamic chronoamperometric determination of hydrogen peroxide using carbon paste electrodes coated by multiwalled carbon nanotubes decorated with MnO ₂ or Pt particles. <i>Sensors and Actuators B: Chemical</i> , 2016 , 233, 83-92	8.5	30
281	Synthesis of high-quality, well-characterized CaAlFe-layered triple hydroxide with the combination of dry-milling and ultrasonic irradiation in aqueous solution at elevated temperature. <i>Ultrasonics Sonochemistry</i> , 2016 , 32, 173-180	8.9	11
280	Experimental validation of the BurgioBojac model of planetary ball milling by the length control of multiwall carbon nanotubes. <i>Carbon</i> , 2016 , 105, 615-621	10.4	4
279	Microcystin-LR induces mitotic spindle assembly disorders in <i>Vicia faba</i> by protein phosphatase inhibition and not reactive oxygen species induction. <i>Journal of Plant Physiology</i> , 2016 , 199, 1-11	3.6	12
278	Characterization and Catalytic Activity of Different Carbon Supported Pd Nanocomposites. <i>Catalysis Letters</i> , 2016 , 146, 2268-2277	2.8	8
277	LEIS and XPS investigation into the growth of cerium and cerium dioxide on Cu(111). <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 5124-32	3.6	19
276	Visible light induced photocatalytic activity of TiO ₂ nanowires photosensitized with CdSe quantum dots. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015 , 115, 143-157	1.6	4
275	Enhanced dispersion and the reactivity of atomically thin Rh layers supported by molybdenum oxide films. <i>Surface Science</i> , 2015 , 641, 60-67	1.8	2
274	Evaluation and comparison of the ammonia adsorption capacity of titanosilicates ETS-4 and ETS-10 and aluminotitanosilicates ETAS-4 and ETAS-10. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 122, 1257-1267	4.1	17
273	Investigation of the adsorption properties of borazine and characterisation of boron nitride on Rh(1 1 1) by electron spectroscopic methods. <i>Applied Surface Science</i> , 2015 , 354, 367-372	6.7	14
272	Optimization of thiamethoxam adsorption parameters using multi-walled carbon nanotubes by means of fractional factorial design. <i>Chemosphere</i> , 2015 , 141, 87-93	8.4	25
271	Determination of H ₂ O ₂ by MnO ₂ modified screen printed carbon electrode during Fenton and visible light-assisted photo-Fenton based removal of acetamiprid from water. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 755, 77-86	4.1	17
270	Visible light activation photocatalytic performance of PbSe quantum dot sensitized TiO ₂ Nanowires. <i>Applied Catalysis B: Environmental</i> , 2015 , 179, 583-588	21.8	25
269	Optimisation of the synthesis parameters of mechanochemically prepared CaAl-layered double hydroxide. <i>Applied Clay Science</i> , 2015 , 112-113, 94-99	5.2	29

268	Microphysical properties of carbonaceous aerosol particles generated by laser ablation of a graphite target. <i>Atmospheric Measurement Techniques</i> , 2015 , 8, 1207-1215	4	9
267	Structure-Independent Proton Transport in Cerium(III) Phosphate Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 9947-56	9.5	14
266	Layered titanate nanostructures: perspectives for industrial exploitation. <i>Translational Materials Research</i> , 2015 , 2, 015003		30
265	The Interaction of Cobalt with CeO ₂ (111) Prepared on Cu(111). <i>Journal of Physical Chemistry C</i> , 2015 , 119, 9324-9333	3.8	22
264	Facile synthesis of CuS nanoparticles deposited on polymer nanocomposite foam and their effects on microstructural and optical properties. <i>European Polymer Journal</i> , 2015 , 68, 47-56	5.2	15
263	Functionalized boron nitride porous solids. <i>RSC Advances</i> , 2015 , 5, 93964-93968	3.7	59
262	A simple method to control the formation of cerium phosphate architectures. <i>CrystEngComm</i> , 2015 , 17, 8477-8485	3.3	15
261	Probing the interaction of Rh, Co and bimetallic Rh-Co nanoparticles with the CeO ₂ support: catalytic materials for alternative energy generation. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 27154-66	3.6	38
260	Synthesis and 1-butene hydrogenation activity of platinum decorated bamboo-shaped multiwall carbon nanotubes. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015 , 116, 371-383	1.6	7
259	Facile synthesis of nanostructured carbon materials over RANEY® nickel catalyst films printed on Al ₂ O ₃ and SiO ₂ substrates. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1823-1829	7.1	2
258	Thermal decomposition and reconstruction of CaFe-layered double hydroxide studied by X-ray diffractometry and ⁵⁷ Fe Mössbauer spectroscopy. <i>Journal of Molecular Structure</i> , 2015 , 1090, 19-24	3.4	9
257	Protein phosphatase-1 is involved in the maintenance of normal homeostasis and in UVA irradiation-induced pathological alterations in HaCaT cells and in mouse skin. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015 , 1852, 22-33	6.9	6
256	Synthesis and characterization of composition-gradient based Cd _x Zn _{1-x} Se/SiO ₂ heterostructured quantum dots. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015 , 115, 129-141	1.6	1
255	The catalytic epoxidation of 2-cyclohexen-1-one over uncalcined layered double hydroxides using various solvents. <i>Catalysis Today</i> , 2015 , 241, 231-236	5.3	12
254	Adsorption of chlorinated phenols on multiwalled carbon nanotubes. <i>RSC Advances</i> , 2015 , 5, 24920-24929	3.7	19
253	Unveiling the Role of CNTs in the Phase Formation of One-Dimensional Ferroelectrics. <i>Langmuir</i> , 2015 , 31, 6713-20	4	2
252	Rh and Au deposited on ultrathin TiO ₂ ~1.2 film formed on Rh(111) facets and the effects of CO exposure. <i>Surface Science</i> , 2015 , 641, 300-304	1.8	8
251	Trace level voltammetric determination of lead and cadmium in sediment pore water by a bismuth-oxychloride particle-multiwalled carbon nanotube composite modified glassy carbon electrode. <i>Talanta</i> , 2015 , 134, 640-649	6.2	79

250	Synthesis and characterization of CdS nanoparticle based multiwall carbon nanotube/haleic anhydride/1-octene nanocomposites. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015 , 69, 212-218	3	10
249	Bimetallic Fe/MoBiO ₂ aerogel catalysts for catalytic carbon vapour deposition production of carbon nanotubes. <i>Journal of Sol-Gel Science and Technology</i> , 2015 , 73, 379-388	2.3	8
248	Mössbauer and XRD study of intercalated CaFe-layered double hydroxides. <i>Hyperfine Interactions</i> , 2014 , 226, 171-179	0.8	4
247	Search for a Raney-Ni type catalyst efficient in the transformation of excess glycerol into more valuable products. <i>Catalysis Communications</i> , 2014 , 43, 116-120	3.2	8
246	Effect of a Gold Cover Layer on the Encapsulation of Rhodium by Titanium Oxides on Titanium Dioxide(110). <i>Journal of Physical Chemistry C</i> , 2014 , 118, 12340-12352	3.8	14
245	Carbon nanotube-layered double hydroxide nanocomposites. <i>Chemical Papers</i> , 2014 , 68,	1.9	4
244	Titania nanofibers in gypsum composites: an antibacterial and cytotoxicology study. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 1307-1316	7.3	15
243	Synthesis and properties of CaAl-layered double hydroxides of hydrocalumite-type. <i>Chemical Papers</i> , 2014 , 68,	1.9	17
242	Influence of gold additives on the stability and phase transformation of titanate nanostructures. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 26786-97	3.6	30
241	Iron/cobalt-SBA-16 cubic mesoporous composites as catalysts for the production of multi-walled carbon nanotubes. <i>Journal of Porous Materials</i> , 2014 , 21, 1123-1131	2.4	3
240	Green synthesis of biomimetic CePO ₄ :Tb nanostructures using the simplest morphology control. <i>RSC Advances</i> , 2014 , 4, 49879-49887	3.7	8
239	Low-temperature conversion of titanate nanotubes into nitrogen-doped TiO ₂ nanoparticles. <i>CrystEngComm</i> , 2014 , 16, 7486-7492	3.3	18
238	Toxic metal immobilization in contaminated sediment using bentonite- and kaolinite-supported nano zero-valent iron. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	30
237	Synthesis and characterization of polyvinyl alcohol based multiwalled carbon nanotube nanocomposites. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014 , 61, 129-134	3	42
236	Dry reforming of CH ₄ on Rh doped Co/Al ₂ O ₃ catalysts. <i>Catalysis Today</i> , 2014 , 228, 123-130	5.3	44
235	Effects of Support and Rh Additive on Co-Based Catalysts in the Ethanol Steam Reforming Reaction. <i>ACS Catalysis</i> , 2014 , 4, 1205-1218	13.1	100
234	Promotion and inhibition effects of TiO _x species on Rh inverse model catalysts. <i>Applied Surface Science</i> , 2014 , 313, 432-439	6.7	6
233	Three different clay-supported nanoscale zero-valent iron materials for industrial azo dye degradation: A comparative study. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 2451-2461	5.3	72

232	Decoration of Titanate Nanowires and Nanotubes by Gold Nanoparticles: XPS, HRTEM and XRD Characterization. <i>E-Journal of Surface Science and Nanotechnology</i> , 2014 , 12, 252-258	0.7	8
231	Mechanochemically assisted synthesis of pristine Ca(II)Sn(IV)-layered double hydroxides and their amino acid intercalated nanocomposites. <i>Journal of Materials Science</i> , 2014 , 49, 8478-8486	4.3	31
230	Photocatalytic H ₂ Production Using Pt-TiO ₂ in the Presence of Oxalic Acid: Influence of the Noble Metal Size and the Carrier Gas Flow Rate. <i>Materials</i> , 2014 , 7, 7022-7038	3.5	16
229	Gas Sensing and Thermal Transport Through Carbon-Nanotube-Based Nanodevices. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2014 , 99-136	0.7	0
228	Photocatalytic H ₂ Evolution Using Different Commercial TiO ₂ Catalysts Deposited with Finely Size-Tailored Au Nanoparticles: Critical Dependence on Au Particle Size. <i>Materials</i> , 2014 , 7, 7615-7633	3.5	10
227	Preparation and Investigation of p-GaAs/n-Cd _{1-x} Zn _x S _{1-y} Te _y Heterojunctions Deposited by Electrochemical Deposition. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2014 , 136,	2.3	3
226	Growth of gold on a pinwheel TiO ₂ (~1.2) encapsulation film prepared on rhodium nanocrystallites. <i>Langmuir</i> , 2014 , 30, 14545-54	4	8
225	Exploiting the ion-exchange ability of titanate nanotubes in a model water softening process. <i>Chemical Physics Letters</i> , 2014 , 591, 161-165	2.5	18
224	Photocatalytic activity of nitrogen-doped TiO ₂ -based nanowires: a photo-assisted Kelvin probe force microscopy study. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	9
223	Investigation of the cytotoxic effects of titanate nanotubes on Caco-2 cells. <i>AAPS PharmSciTech</i> , 2014 , 15, 858-61	3.9	11
222	Metal loading determines the stabilization pathway for Co ²⁺ in titanate nanowires: ion exchange vs. cluster formation. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 15917-25	3.6	19
221	Effects of carbon nanotube functionalization on the agglomeration and sintering of supported Pd nanoparticles. <i>Adsorption</i> , 2013 , 19, 501-508	2.6	2
220	Self-assembling of 2,3-phenyl/thienyl-substituted acrylic acids over polycrystalline gold. <i>Journal of Molecular Structure</i> , 2013 , 1044, 32-38	3.4	3
219	Rh-induced support transformation phenomena in titanate nanowire and nanotube catalysts. <i>Langmuir</i> , 2013 , 29, 3061-72	4	48
218	Radiation induced topotactic [2+2] dimerisation of acrylate derivatives among the layers of a CaFe layered double hydroxide followed by IR spectroscopy. <i>Journal of Molecular Structure</i> , 2013 , 1044, 279-285	3.4	4
217	Functionalized low defect graphene nanoribbons and polyurethane composite film for improved gas barrier and mechanical performances. <i>ACS Nano</i> , 2013 , 7, 10380-6	16.7	109
216	Water types and their relaxation behavior in partially rehydrated CaFe-mixed binary oxide obtained from CaFe-layered double hydroxide in the 155-298 K temperature range. <i>Langmuir</i> , 2013 , 29, 13315-21	4	13
215	Rehydration of dehydrated CaFe-L(ayered)D(ouble)H(ydroxide) followed by thermogravimetry, X-ray diffractometry and dielectric relaxation spectroscopy. <i>Journal of Molecular Structure</i> , 2013 , 1044, 26-31	3.4	11

214	Structural stability test of hexagonal CePO ₄ nanowires synthesized at ambient temperature. <i>Journal of Molecular Structure</i> , 2013 , 1044, 94-98	3.4	18
213	Synthesis and characterization of WO ₃ nanowires and metal nanoparticle-WO ₃ nanowire composites. <i>Journal of Molecular Structure</i> , 2013 , 1044, 99-103	3.4	17
212	Structure and stability of pristine and Bi and/or Sb decorated titanate nanotubes. <i>Journal of Molecular Structure</i> , 2013 , 1044, 104-108	3.4	9
211	Luminescence properties of Ho ³⁺ co-doped SrAl ₂ O ₄ :Eu ²⁺ , Dy ³⁺ long-persistent phosphors synthesized with a solid-state method. <i>Journal of Molecular Structure</i> , 2013 , 1044, 87-93	3.4	11
210	Reconstruction of calcined MgAl- and NiMgAl-layered double hydroxides during glycerol dehydration and their recycling characteristics. <i>Applied Clay Science</i> , 2013 , 80-81, 245-248	5.2	22
209	Effect of planetary ball milling process parameters on the nitrogen adsorption properties of multiwall carbon nanotubes. <i>Adsorption</i> , 2013 , 19, 687-694	2.6	9
208	Studies on the thermal decomposition of multiwall carbon nanotubes under different atmospheres. <i>Materials Letters</i> , 2013 , 90, 165-168	3.3	109
207	The formation and stability of Rh nanostructures on TiO ₂ (110) surface and TiO _x encapsulation layers. <i>Applied Surface Science</i> , 2013 , 280, 60-66	6.7	9
206	Non-equilibrium transformation of titanate nanowires to nanotubes upon mechanochemical activation. <i>RSC Advances</i> , 2013 , 3, 7681	3.7	4
205	Molecular interactions between organic compounds and functionally modified multiwalled carbon nanotubes. <i>Chemical Engineering Journal</i> , 2013 , 225, 144-152	14.7	31
204	Room temperature hydrogen sensors based on metal decorated WO ₃ nanowires. <i>Sensors and Actuators B: Chemical</i> , 2013 , 186, 90-95	8.5	64
203	Interaction of Rh with Rh nanoparticles encapsulated by ordered ultrathin TiO(1+x) film on TiO ₂ (110) surface. <i>Langmuir</i> , 2013 , 29, 15868-77	4	9
202	Fine tuning the surface acidity of titanate nanostructures. <i>Adsorption</i> , 2013 , 19, 695-700	2.6	3
201	Zeolites 2013 , 819-858		
200	Carbon nanotubes synthesis over FeCo-based catalysts supported on SBA-16. <i>Nanopages</i> , 2013 , 8, 1-8	0	2
199	Nanoparticle Dispersions 2013 , 729-776		1
198	Multi-Walled Carbon Nanotubes 2013 , 147-188		22
197	Microcystin-LR, a protein phosphatase inhibitor, induces alterations in mitotic chromatin and microtubule organization leading to the formation of micronuclei in <i>Vicia faba</i> . <i>Annals of Botany</i> , 2012 , 110, 797-808	4.1	16

196	Structural characterization of FeCo alloy nanoparticles embedded in SBA-16 and their catalytic application for carbon nanotubes production. <i>RSC Advances</i> , 2012 , 2, 7886	3.7	6
195	Comparison of Nanoscaled Palladium Catalysts Supported on Various Carbon Allotropes. <i>Topics in Catalysis</i> , 2012 , 55, 865-872	2.3	8
194	Preparation, Characterisation and Some Reactions of Organocatalysts Immobilised Between the Layers of a CaFe-Layered Double Hydroxide. <i>Topics in Catalysis</i> , 2012 , 55, 858-864	2.3	8
193	General and electrophysiological toxic effects of manganese in rats following subacute administration in dissolved and nanoparticle form. <i>Scientific World Journal, The</i> , 2012 , 2012, 520632	2.2	6
192	Synthesis and photocatalytic performance of titanium dioxide nanofibers and the fabrication of flexible composite films from nanofibers. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 1421-4	1.3	17
191	Synthesis and characterisation of coiled carbon nanotubes. <i>Catalysis Today</i> , 2012 , 181, 33-39	5.3	17
190	Characterization of CNT Enhanced Conductive Adhesives in Terms of Thermal Conductivity. <i>ECS Transactions</i> , 2012 , 44, 1011-1017	1	2
189	A Possible Nanoreactor: CaFe-L(ayered)D(ouble)H(ydroxide) with Intercalated Cinnamate Derivatives. <i>Materials Science Forum</i> , 2012 , 730-732, 65-70	0.4	1
188	Consequences of subacute intratracheal exposure of rats to cadmium oxide nanoparticles: Electrophysiological and toxicological effects. <i>Toxicology and Industrial Health</i> , 2012 , 28, 933-41	1.8	14
187	Electrical resistivity and thermal properties of compatibilized multi-walled carbon nanotube/polypropylene composites. <i>EXPRESS Polymer Letters</i> , 2012 , 6, 494-502	3.4	33
186	Repeated simultaneous cortical electrophysiological and behavioral recording in rats exposed to manganese-containing nanoparticles. <i>Acta Biologica Hungarica</i> , 2012 , 63, 426-40		4
185	Layer-by-layer assembly of TiO ₂ nanowire/carbon nanotube films and characterization of their photocatalytic activity. <i>Nanotechnology</i> , 2011 , 22, 195701	3.4	21
184	Nervous system effects in rats on subacute exposure by lead-containing nanoparticles via the airways. <i>Inhalation Toxicology</i> , 2011 , 23, 173-81	2.7	41
183	Formation of CuPd and CuPt Bimetallic Nanotubes by Galvanic Replacement Reaction. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 9403-9409	3.8	136
182	Optimization of the Catalytic Chemical Vapor Deposition Synthesis of Multiwall Carbon Nanotubes on FeCo(Ni)/SiO ₂ Aerogel Catalysts by Statistical Design of Experiments. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 5894-5902	3.8	25
181	One-step preparation of FeCo nanoparticles in a SBA-16 matrix as catalysts for carbon nanotubes growth. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 6735-46	1.3	6
180	Characterization of carbon thin films prepared by the thermal decomposition of spin coated polyacrylonitrile layers containing metal acetates. <i>Thin Solid Films</i> , 2011 , 520, 57-63	2.2	9
179	Mapping of Functionalized Regions on Carbon Nanotubes by Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 3229-3235	3.8	10

178	Synthesis and characterisation of alkaline earth-iron(III) double hydroxides. <i>Chemical Papers</i> , 2011 , 65,	1.9	10
177	A SEM, EDX and XAS characterization of Ba(II)Fe(III) layered double hydroxides. <i>Journal of Molecular Structure</i> , 2011 , 993, 62-66	3.4	10
176	Enhanced photocatalytic activity of TiO ₂ nanofibers and their flexible composite films: Decomposition of organic dyes and efficient H ₂ generation from ethanol-water mixtures. <i>Nano Research</i> , 2011 , 4, 360-369	10	98
175	Low-temperature growth of multi-walled carbon nanotubes by thermal CVD. <i>Physica Status Solidi (B): Basic Research</i> , 2011 , 248, 2500-2503	1.3	21
174	Thermal diffusivity of aligned multi-walled carbon nanotubes measured by the flash method. <i>Physica Status Solidi (B): Basic Research</i> , 2011 , 248, 2508-2511	1.3	11
173	Nervous system effects of dissolved and nanoparticulate cadmium in rats in subacute exposure. <i>Journal of Applied Toxicology</i> , 2011 , 31, 471-6	4.1	9
172	Nitrogen-doped anatase nanofibers decorated with noble metal nanoparticles for photocatalytic production of hydrogen. <i>ACS Nano</i> , 2011 , 5, 5025-30	16.7	123
171	In situ synthesis of catalytic metal nanoparticle-PDMS membranes by thermal decomposition process. <i>Composites Science and Technology</i> , 2011 , 71, 129-133	8.6	19
170	Self-assembling of Z-pyridylcinnamic acid molecules over polycrystalline Ag and Au surfaces followed by FT-IR and atomic force microscopies. <i>Journal of Molecular Structure</i> , 2011 , 993, 67-72	3.4	
169	Structure of the AuRh bimetallic system formed on titanate nanowires and nanotubes. <i>Vacuum</i> , 2011 , 85, 1114-1119	3.7	10
168	Probing the interaction of Au, Rh and bimetallic AuRh clusters with the TiO ₂ nanowire and nanotube support. <i>Surface Science</i> , 2011 , 605, 1048-1055	1.8	32
167	INCREASING CHEMICAL SELECTIVITY OF CARBON NANOTUBE-BASED SENSORS BY FLUCTUATION-ENHANCED SENSING. <i>Fluctuation and Noise Letters</i> , 2010 , 09, 277-287	1.2	7
166	Low-temperature large-scale synthesis and electrical testing of ultralong copper nanowires. <i>Langmuir</i> , 2010 , 26, 16496-502	4	138
165	Three-dimensional carbon nanotube scaffolds as particulate filters and catalyst support membranes. <i>ACS Nano</i> , 2010 , 4, 2003-8	16.7	66
164	Functional neurotoxicity of Mn-containing nanoparticles in rats. <i>Ecotoxicology and Environmental Safety</i> , 2010 , 73, 2004-9	7	41
163	Metal deposition and functional neurotoxicity in rats after 3-6 weeks nasal exposure by two physicochemical forms of manganese. <i>Environmental Toxicology and Pharmacology</i> , 2010 , 30, 121-6	5.8	12
162	Synthesis and properties of novel Ba(II)Fe(III) layered double hydroxides. <i>Applied Clay Science</i> , 2010 , 48, 214-217	5.2	23
161	Synthesis of Catalytic Porous Metallic Nanorods by Galvanic Exchange Reaction. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 389-393	3.8	78

160	Somatic embryogenesis and regeneration from shoot primordia of <i>Crocus heuffelianus</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2010 , 100, 349-353	2.7	9
159	Moderate anisotropy in the electrical conductivity of bulk MWCNT/epoxy composites. <i>Carbon</i> , 2010 , 48, 1918-1925	10.4	29
158	Carbon nanotube based sensors and fluctuation enhanced sensing. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010 , 7, NA-NA		2
157	Laser-induced fluorescence measurements on CdSe quantum dots. <i>Processing and Application of Ceramics</i> , 2010 , 4, 33-38	1.4	11
156	Beneficial effect of multi-wall carbon nanotubes on the graphitization of polyacrylonitrile (PAN) coating. <i>Processing and Application of Ceramics</i> , 2010 , 4, 59-62	1.4	3
155	Numerical differentiation methods for the logarithmic derivative technique used in dielectric spectroscopy. <i>Processing and Application of Ceramics</i> , 2010 , 4, 87-93	1.4	
154	Synthesis of Zinc Glycerolate Microstacks from a ZnO Nanorod Sacrificial Template. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 3622-3627	2.3	24
153	Synthesis and characterization of nickel catalysts supported on different carbon materials. <i>Reaction Kinetics and Catalysis Letters</i> , 2009 , 96, 379-389		12
152	A Novel Catalyst Type Containing Noble Metal Nanoparticles Supported on Mesoporous Carbon: Synthesis, Characterization and Catalytic Properties. <i>Topics in Catalysis</i> , 2009 , 52, 1242-1250	2.3	7
151	Adsorption of C6 hydrocarbon rings on mesoporous catalyst supports. <i>Chemical Physics Letters</i> , 2009 , 482, 296-301	2.5	4
150	Subacute intratracheal exposure of rats to manganese nanoparticles: behavioral, electrophysiological, and general toxicological effects. <i>Inhalation Toxicology</i> , 2009 , 21 Suppl 1, 83-91	2.7	22
149	Ionically Self-Assembled Polyelectrolyte-Based Carbon Nanotube Fibers. <i>Chemistry of Materials</i> , 2009 , 21, 3062-3071	9.6	29
148	Sonochemical Synthesis of Inorganic Nanoparticles. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2008 , 369-372	0.2	6
147	Preparation of Si3N4 Composites with Single Wall Carbon Nanotube and Exfoliated Graphite. <i>Materials Science Forum</i> , 2008 , 589, 409-414	0.4	2
146	Degradation of pure and waste polyolefins and PVC in the presence of modified porous catalysts. <i>Studies in Surface Science and Catalysis</i> , 2008 , 1021-1026	1.8	3
145	Improving the performance of functionalized carbon nanotube thin film sensors by fluctuation enhanced sensing 2008 ,		1
144	Multiwall carbon nanotube films surface-doped with electroceramics for sensor applications. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 2331-2334	1.3	12
143	Inkjet printed resistive and chemical-FET carbon nanotube gas sensors. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 2335-2338	1.3	20

142	Drift effect of fluctuation enhanced gas sensing on carbon nanotube sensors. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 2343-2346	1.3	5
141	Fluctuation enhanced gas sensing on functionalized carbon nanotube thin films. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 2339-2342	1.3	7
140	Fine tuning the coverage of a titanate nanowire layer on a glass substrate. <i>Chemical Physics Letters</i> , 2008 , 460, 191-195	2.5	6
139	Pyroelectric temperature sensitization of multi-wall carbon nanotube papers. <i>Carbon</i> , 2008 , 46, 1262-1265	5.4	6
138	Functionalization of Multi-Walled Carbon Nanotubes (MWCNTS). <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2008 , 365-368	0.2	4
137	Chemical functionalisation of titania nanotubes and their utilisation for the fabrication of reinforced polystyrene composites. <i>Journal of Materials Chemistry</i> , 2007 , 17, 2351		65
136	Structure and gas permeability of multi-wall carbon nanotube buckypapers. <i>Carbon</i> , 2007 , 45, 1176-1184	10.4	143
135	Controlling the pore diameter distribution of multi-wall carbon nanotube buckypapers. <i>Carbon</i> , 2007 , 45, 1696-1698	10.4	68
134	Spectroscopic studies on self-supporting multi-wall carbon nanotube based composite films for sensor applications. <i>Journal of Molecular Structure</i> , 2007 , 834-836, 471-476	3.4	15
133	Spectroscopic studies on the formation kinetics of SnO ₂ nanoparticles synthesized in a planetary ball mill. <i>Journal of Molecular Structure</i> , 2007 , 834-836, 430-434	3.4	15
132	Pre-prepared platinum nanoparticles supported on SBA-15 [preparation, pretreatment conditions and catalytic properties. <i>Catalysis Letters</i> , 2007 , 113, 19-28	2.8	27
131	Carbon Nanotubes as Ceramic Matrix Reinforcements. <i>Materials Science Forum</i> , 2007 , 537-538, 97-104	0.4	1
130	Silicon Nitride [Carbon Nanotube Composites. <i>Materials Science Forum</i> , 2007 , 554, 123-128	0.4	2
129	Hydrothermal Conversion of Self-Assembled Titanate Nanotubes into Nanowires in a Revolving Autoclave. <i>Chemistry of Materials</i> , 2007 , 19, 927-931	9.6	146
128	Morphology and N ₂ permeability of multi-wall carbon nanotube--Teflon membranes. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 1604-10	1.3	7
127	Processing, mechanical and thermophysical properties of silicon nitride based composites with carbon nanotubes and graphene. <i>Processing and Application of Ceramics</i> , 2007 , 1, 35-41	1.4	3
126	CO hydrogenation over cobalt and iron catalysts supported over multiwall carbon nanotubes: Effect of preparation. <i>Journal of Catalysis</i> , 2006 , 244, 24-32	7.3	90
125	Isomorphous Substitution in Zeolites 2006 , 365-478		8

124	Development of CNT-Silicon Nitrides with Improved Mechanical and Electrical Properties. <i>Advances in Science and Technology</i> , 2006 , 45, 1723-1728	0.1	5
123	Multiwall carbon nanotube modified vinylester and vinylester based hybrid resins. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006 , 37, 1252-1259	8.4	67
122	Synthesis, characterization and use of coiled carbon nanotubes. <i>Nanopages</i> , 2006 , 1, 263-293	0	5
121	Application of carbon nanotubes to silicon nitride matrix reinforcements. <i>Current Applied Physics</i> , 2006 , 6, 124-130	2.6	43
120	Tubular inorganic nanostructures. <i>Current Applied Physics</i> , 2006 , 6, 212-215	2.6	8
119	Development of CNT/Si ₃ N ₄ composites with improved mechanical and electrical properties. <i>Composites Part B: Engineering</i> , 2006 , 37, 418-424	10	91
118	Functionalization of carbon nanotubes with oligonucleotide in solutions [Production of nanotube chips. <i>Journal of Molecular Liquids</i> , 2006 , 129, 33-38	6	
117	CARBON NANOTUBES AS CERAMIC MATRIX REINFORCEMENTS 2006 , 221-222		4
116	Carbon Nanotubes [On the Eve of Success?]. <i>Materials Science Forum</i> , 2005 , 473-474, 141-146	0.4	1
115	Oriented crystal growth model explains the formation of titania nanotubes. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 17781-3	3.4	148
114	IR spectroscopic investigation of the particle size and morphology of platinum nanoparticles supported on mesoporous silicate. <i>Studies in Surface Science and Catalysis</i> , 2005 , 158, 1351-1358	1.8	2
113	Morphological characterization of mesoporous silicate-carbon nanocomposites. <i>Microporous and Mesoporous Materials</i> , 2005 , 80, 85-94	5.3	9
112	IR and NMR spectroscopic characterization of graphitization process occurring in the pores of mesoporous silicates in formation of carbon nanotubes. <i>Journal of Molecular Structure</i> , 2005 , 744-747, 93-99	3.4	4
111	Long-time low-impact ball milling of multi-wall carbon nanotubes. <i>Carbon</i> , 2005 , 43, 994-1000	10.4	122
110	Processing of carbon nanotube reinforced silicon nitride composites by spark plasma sintering. <i>Composites Science and Technology</i> , 2005 , 65, 727-733	8.6	93
109	Complex-assisted one-step synthesis of ion-exchangeable titanate nanotubes decorated with CdS nanoparticles. <i>Chemical Physics Letters</i> , 2005 , 411, 445-449	2.5	64
108	Highly perfect inner tubes in CVD grown double-wall carbon nanotubes. <i>Chemical Physics Letters</i> , 2005 , 413, 506-511	2.5	12
107	Thermal behavior of multiwall carbon nanotube/zeolite nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005 , 79, 567-572	4.1	10

106	Thermal stability of platinum particles embedded in mesoporous silicates. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005 , 79, 573-577	4.1	8
105	Infrared spectroscopy studies of cyclohexene hydrogenation and dehydrogenation catalyzed by platinum nanoparticles supported on mesoporous silicate (SBA-15). Part 1: The role of particle size of Pt nanocrystals supported on SBA-15 silicate. <i>Catalysis Letters</i> , 2005 , 101, 159-167	2.8	12
104	Development of Preparation Processes for CNT/Si3N4 Composites. <i>Key Engineering Materials</i> , 2005 , 290, 135-141	0.4	4
103	Vibrational Spectroscopic Studies on the Formation of Ion-exchangeable Titania Nanotubes. <i>AIP Conference Proceedings</i> , 2005 ,	0	1
102	Mechanical Degradation of Carbon Nanotubes: ESR investigations. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 887, 1		
101	Continuous Production of Polycarbonate-Carbon Nanotube Composites. <i>Journal of Polymer Engineering</i> , 2005 , 25,	1.4	1
100	Hydrodechlorination of carbon tetrachloride on Pt-containing zeolites. <i>Studies in Surface Science and Catalysis</i> , 2004 , 154, 2536-2542	1.8	2
99	Synthesis and characterization of spherical mesoporous MCM-41 materials containing transition metals. <i>Studies in Surface Science and Catalysis</i> , 2004 , 813-819	1.8	1
98	On the growth mechanism of single-walled carbon nanotubes by catalytic carbon vapor deposition on supported metal catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2004 , 4, 326-45	1.3	42
97	Production of multiwall carbon nanotubes in the modified pore system of mesoporous silicates. <i>Diamond and Related Materials</i> , 2004 , 13, 1322-1326	3.5	5
96	Determination of traces of elemental impurities in single walled (SWNT) and multi walled (MWNT) pristine and purified carbon nanotubes by instrumental neutron activation analysis. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2004 , 262, 31-34	1.5	11
95	Spherical mesoporous MCM-41 materials containing transition metals: synthesis and characterization. <i>Applied Catalysis A: General</i> , 2004 , 272, 257-266	5.1	93
94	End morphology of ball milled carbon nanotubes. <i>Carbon</i> , 2004 , 42, 2001-2008	10.4	76
93	Photosensitization of ion-exchangeable titanate nanotubes by CdS nanoparticles. <i>Chemical Physics Letters</i> , 2004 , 399, 512-515	2.5	166
92	XPS study of multiwall carbon nanotube synthesis on Ni-, V-, and Ni, V-ZSM-5 catalysts. <i>Applied Catalysis A: General</i> , 2004 , 260, 55-61	5.1	37
91	The dynamics of H2 and N2 sorption in carbon nanotubes. <i>Applied Surface Science</i> , 2004 , 238, 73-76	6.7	4
90	Synthesis of carbon nanotubes with tailor made diameter in the channels of micelle-templated silicas. <i>Studies in Surface Science and Catalysis</i> , 2004 , 911-916	1.8	
89	Quantitative Characterization of Hydrophilic/Hydrophobic Properties of MWNTs Surfaces. <i>Langmuir</i> , 2004 , 20, 1656-1661	4	41

88	Comparison of Fe/Al/sub 2/O/sub 3/ and Fe, Co/Al/sub 2/O/sub 3/ catalysts used for production of carbon nanotubes from acetylene by CCVD. <i>IEEE Nanotechnology Magazine</i> , 2004 , 3, 73-79	2.6	17
87	Synthesis Procedures for Production of Carbon Nanotube Junctions. <i>AIP Conference Proceedings</i> , 2003 ,	0	3
86	Comparison of Fe/Al 2 O 3 and Fe,Co/Al 2 O 3 catalysts used for production of carbon nanotubes from acetylene by CCVD 2003 ,		2
85	Synthesis procedures for production of carbon nanotube junctions 2003 ,		3
84	Mesoporous silicates as nanoreactors for carbon nanotube production in the absence of transition metal catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2003 , 3, 111-9	1.3	7
83	Synthetic Insertion of Gold Nanoparticles into Mesoporous Silica. <i>Chemistry of Materials</i> , 2003 , 15, 1242-1248	1.4	157
82	STM investigation of carbon nanotubes connected by functional groups. <i>Materials Science and Engineering C</i> , 2003 , 23, 1007-1011	8.3	29
81	On the role of catalyst, catalyst support and their interaction in synthesis of carbon nanotubes by CCVD. <i>Materials Chemistry and Physics</i> , 2003 , 77, 536-541	4.4	61
80	Sonication assisted gold deposition on multiwall carbon nanotubes. <i>Chemical Physics Letters</i> , 2003 , 372, 848-852	2.5	26
79	Preparation and characterization of carbon nanotube reinforced silicon nitride composites. <i>Materials Science and Engineering C</i> , 2003 , 23, 1133-1137	8.3	156
78	IR spectroscopic reinvestigation of the generation of acid sites in Pt-containing faujasite zeolites. <i>Journal of Molecular Structure</i> , 2003 , 651-653, 191-197	3.4	15
77	Structural consequences of mild oxidative template removal in the synthesis of modified MCM-41 silicates. <i>Journal of Molecular Structure</i> , 2003 , 651-653, 323-330	3.4	9
76	Intercalating amino acid guests into montmorillonite host. <i>Journal of Molecular Structure</i> , 2003 , 651-653, 335-340	3.4	55
75	Synthesis and characterization of hyperbranched mesoporous silica SBA-15. <i>Chemical Communications</i> , 2003 , 314-5	5.8	26
74	Encapsulation of Metal (Au, Ag, Pt) Nanoparticles into the Mesoporous SBA-15 Structure. <i>Langmuir</i> , 2003 , 19, 4396-4401	4	154
73	Binary solvent mixture adsorption as a characterisation tool to determine the hydrophilic/hydrophobic properties of multiwall carbon nanotubes. <i>Chemical Communications</i> , 2003 , 2746-7	5.8	5
72	Wash and go sodium chloride as an easily removable catalyst support for the synthesis of carbon nanotubes. <i>PhysChemComm</i> , 2003 , 6, 40-41		11
71	Modification of multiwalled carbon nanotubes by different breaking processes. <i>European Physical Journal Special Topics</i> , 2002 , 12, 107-112		1

70	Mechanical and chemical breaking of multiwalled carbon nanotubes. <i>Catalysis Today</i> , 2002 , 76, 3-10	5.3	41
69	Alumina and silica supported metal catalysts for the production of carbon nanotubes. <i>Journal of Molecular Catalysis A</i> , 2002 , 181, 57-62		117
68	Synthesis, characterisation and catalytic applications of sol-gel derived silica-phosphotungstic acid composites. <i>Applied Catalysis A: General</i> , 2002 , 228, 83-94	5.1	64
67	Heterogeneous catalytic production and mechanical resistance of nanotubes prepared on magnesium oxide supported Co-based catalysts. <i>Applied Catalysis A: General</i> , 2002 , 229, 229-233	5.1	24
66	Flexibility of the MCM-41 structure: pore expansion and wall-thickening in MCM-41 derivatives. <i>Applied Catalysis A: General</i> , 2002 , 232, 67-76	5.1	7
65	Catalyst traces and other impurities in chemically purified carbon nanotubes grown by CVD. <i>Materials Science and Engineering C</i> , 2002 , 19, 9-13	8.3	40
64	Production of carbon nanotubes inside the pores of mesoporous silicates. <i>Chemical Physics Letters</i> , 2002 , 359, 95-100	2.5	33
63	Large scale production of short functionalized carbon nanotubes. <i>Chemical Physics Letters</i> , 2002 , 360, 429-435	2.5	154
62	Novel Two-Step Synthesis of Controlled Size and Shape Platinum Nanoparticles Encapsulated in Mesoporous Silica. <i>Catalysis Letters</i> , 2002 , 81, 137-140	2.8	70
61	Mechanisms of Controlled Growth Of Metallic Nanocrystals. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 721, 1		
60	Hydrodechlorination of chlorinated compounds on different zeolites. <i>Studies in Surface Science and Catalysis</i> , 2002 , 142, 927-934	1.8	5
59	Interconnecting carbon nanotubes with an inorganic metal complex. <i>Journal of the American Chemical Society</i> , 2002 , 124, 13694-5	16.4	105
58	Mechano-chemical functionalization of carbon nanotubes. <i>AIP Conference Proceedings</i> , 2002 ,	0	2
57	Nanocrystal Templating of Silica Mesopores with Tunable Pore Sizes. <i>Nano Letters</i> , 2002 , 2, 907-910	11.5	81
56	Mesoporous silicates as nanoreactors for synthesis of carbon nanotubes. <i>PhysChemComm</i> , 2002 , 5, 138-141		2
55	The role of zeotype catalyst support in the synthesis of carbon nanotubes by CCVD. <i>Studies in Surface Science and Catalysis</i> , 2002 , 541-548	1.8	2
54	Alumina and Zeolites as Catalysts for Decomposition and Transformation of Chlorofluorocarbons Studied by Multinuclear NMR Methods 2002 , 559-564		
53	Multinuclear Magnetic Resonance Characterization of Solid Catalysts and Their Reactions in the Adsorbed State 2002 , 219-229		1

52	Structure comparison of nanotubes produced by different processes. <i>Applied Physics A: Materials Science and Processing</i> , 2001 , 72, S185-S188	2.6	2
51	UVVIS investigations on Co, Fe and Ni incorporated into solgel SiO ₂ /TiO ₂ matrices. <i>Journal of Molecular Structure</i> , 2001 , 563-564, 403-407	3-4	21
50	An FT-IR and UVVIS study on the structure and acidity of solgel derived silica foams. <i>Journal of Molecular Structure</i> , 2001 , 563-564, 409-412	3-4	15
49	Intercalation of various oxide species in-between Laponite layers studied by spectroscopic methods. <i>Journal of Molecular Structure</i> , 2001 , 563-564, 417-420	3-4	5
48	IR investigation of the transformation of propyne to propadiene on solid surfaces. <i>Journal of Molecular Structure</i> , 2001 , 565-566, 115-120	3-4	1
47	Spectroscopy in environmental protection, comparative IR and ¹³ C NMR study of chlorofluorocarbons. <i>Journal of Molecular Structure</i> , 2001 , 563-564, 167-171	3-4	1
46	IR spectroscopic studies on the surface chemistry of mordenites modified by ceria. <i>Journal of Molecular Structure</i> , 2001 , 563-564, 413-416	3-4	1
45	Infrared spectroscopic study of benzene and chlorobenzene adsorption on Pt,Cu- and Pt, CoZSM-5 bimetallic zeolite catalysts. <i>Journal of Molecular Structure</i> , 2001 , 563-564, 435-438	3-4	4
44	An FT-IR study on DielsAlder reactions catalysed by heteropoly acid containing solgel silica. <i>Journal of Molecular Structure</i> , 2001 , 565-566, 121-124	3-4	2
43	Production of short carbon nanotubes with open tips by ball milling. <i>Chemical Physics Letters</i> , 2001 , 335, 1-8	2.5	244
42	The Acidity and Catalytic Activity of Supported Acidic Cesium Dodecatungstophosphates Studied by MAS NMR, FTIR, and Catalytic Test Reactions. <i>Journal of Catalysis</i> , 2001 , 202, 379-386	7-3	27
41	Production of Carbon Nanotubes on Different Metal Supported Catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 2001 , 74, 329-336		14
40	Transformation of Propyne to Propadiene Over Various Solid Catalysts of Different Acid-Base Character. <i>Reaction Kinetics and Catalysis Letters</i> , 2001 , 74, 363-370		1
39	Transformation of Chlorofluorocarbons on Zeolites: Dealumination. <i>Reaction Kinetics and Catalysis Letters</i> , 2001 , 74, 309-316		2
38	Surface Fractal Properties of Morphologically Different SolGel Derived Silicates. <i>Chemistry of Materials</i> , 2001 , 13, 345-349	9.6	11
37	XPS characterisation of catalysts during production of multiwalled carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2001 , 3, 155-158	3.6	45
36	Functional groups generated by mechanical and chemical breaking of multiwall carbon nanotubes. <i>AIP Conference Proceedings</i> , 2001 ,	0	2
35	Catalytic Production, Purification, Characterization and Application of Single-and Multiwall Carbon Nanotubes 2001 , 85-109		6

34	IR spectroscopic investigations of the adsorption of benzoyl chloride in zeolites. <i>Vibrational Spectroscopy</i> , 2000 , 22, 29-37	2.1	5
33	Preparation, characterization and application of the magadiite based mesoporous composite material of catalytic interest. <i>Microporous and Mesoporous Materials</i> , 2000 , 35-36, 631-641	5.3	16
32	The advantages of ozone treatment in the preparation of tubular silica structures. <i>Applied Catalysis A: General</i> , 2000 , 203, L1-L4	5.1	15
31	Control of the outer diameter of thin carbon nanotubes synthesized by catalytic decomposition of hydrocarbons. <i>Chemical Physics Letters</i> , 2000 , 317, 71-76	2.5	139
30	Large-scale synthesis of single-wall carbon nanotubes by catalytic chemical vapor deposition (CCVD) method. <i>Chemical Physics Letters</i> , 2000 , 317, 83-89	2.5	386
29	Observation of site selective binding in a polymer nanotube composite. <i>Journal of Materials Science Letters</i> , 2000 , 19, 2239-2241		55
28	Synthesis, characterization and catalytic application of inorganic nanotubes. <i>Studies in Surface Science and Catalysis</i> , 2000 , 1115-1120	1.8	1
27	Nanostructured carbon generated by chemical vapor deposition from acetylene on surfaces pretreated by a combination of physical and chemical methods. <i>Journal of Materials Research</i> , 2000 , 15, 2087-2090	2.5	2
26	Selective nucleation and growth of carbon nanotubes at the CoSi ₂ /Si interface. <i>Applied Physics Letters</i> , 2000 , 76, 706-708	3.4	7
25	Transformation of chlorinated compounds on different zeolites under oxidative and reductive conditions. <i>Studies in Surface Science and Catalysis</i> , 2000 , 130, 1235-1240	1.8	8
24	Production of differently shaped multi-wall carbon nanotubes using various cobalt supported catalysts. <i>Physical Chemistry Chemical Physics</i> , 2000 , 2, 163-170	3.6	54
23	Catalytic synthesis of carbon nanotubes over Co, Fe and Ni containing conventional and sol-gel silica-aluminas. <i>Physical Chemistry Chemical Physics</i> , 2000 , 2, 3071-3076	3.6	100
22	Multinuclear MAS NMR investigation of zeolites reacted with chlorofluorocarbons. <i>Journal of Molecular Structure</i> , 1999 , 482-483, 359-364	3.4	9
21	Acidity of bimetallic silica composites prepared by a complexing agent assisted sol-gel method. <i>Journal of Molecular Structure</i> , 1999 , 482-483, 39-42	3.4	2
20	Infrared spectroscopic studies on the surface chemistry of bimetallic zeolite systems. Acidity of Pt,Co- and Pt,CuZSM-5 zeolites. <i>Journal of Molecular Structure</i> , 1999 , 482-483, 1-5	3.4	9
19	In situ MAS ¹³ C-NMR studies of surface intermediates formed upon interaction of CCl ₂ F ₂ (CFC-12) with NaY-FAU and HZSM-5-MFI zeolites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999 , 158, 35-42	5.1	4
18	Bulk production of quasi-aligned carbon nanotube bundles by the catalytic chemical vapour deposition (CCVD) method. <i>Chemical Physics Letters</i> , 1999 , 303, 117-124	2.5	142
17	Spectroscopic investigations of the decomposition of CCl ₂ F ₂ on three different types of zeolites. <i>Studies in Surface Science and Catalysis</i> , 1999 , 125, 245-252	1.8	12

16	Synthesis of single-wall carbon nanotubes by catalytic decomposition of hydrocarbons. <i>Chemical Communications</i> , 1999 , 1343-1344	5.8	95
15	Solid state MAS NMR investigation of Y-type zeolites reacted with chlorofluorocarbons. <i>Applied Catalysis B: Environmental</i> , 1998 , 17, 157-166	21.8	31
14	Zeolites in the environmental protection Decomposition of chlorofluorocarbons over zeolite catalysts. <i>Studies in Surface Science and Catalysis</i> , 1997 , 1509-1516	1.8	11
13	Influence of pretreatment conditions on acidity of cobalt-based bimetallic systems in NaY zeolite. <i>Catalysis Letters</i> , 1997 , 44, 7-10	2.8	18
12	Spectroscopic behavior in the adsorption of CO/Cl ₂ mixtures on NaY-FAU zeolite. <i>Vibrational Spectroscopy</i> , 1997 , 15, 37-42	2.1	5
11	Fermi resonance of C1 chlorine compounds in the adsorbed phase of zeolites. An FTIR and MAS NMR spectroscopic study. <i>Journal of Molecular Structure</i> , 1997 , 410-411, 89-93	3.4	
10	FT-IR Spectroscopic Investigation of the Transformation of Allyl Cyanide in the Presence of Butyl-lithium 1997 , 203-205		
9	Infrared spectroscopic study of adsorption and reactions of methyl chloride on acidic, neutral and basic zeolites. <i>Applied Catalysis B: Environmental</i> , 1996 , 8, 391-404	21.8	31
8	Suggested binding mechanism of the HIV-gp120 to its CD4 receptor. <i>Computational and Theoretical Chemistry</i> , 1996 , 367, 159-186		6
7	Indium and gallium containing ZSM-5 zeolites: acidity and catalytic activity in propane transformation. <i>Catalysis Today</i> , 1996 , 31, 293-304	5.3	42
6	Interconversion of unsaturated C4 nitriles under basic conditions II. Catalytic and FTIR study over basic zeolites. <i>Applied Catalysis A: General</i> , 1996 , 146, 331-338	5.1	4
5	Interconversion of unsaturated C4 nitriles under basic conditions I. An IR-UV/VIS spectroscopic study in the presence of butyllithium. <i>Applied Catalysis A: General</i> , 1996 , 146, 323-330	5.1	5
4	Conformational mapping of amyloid peptides from the putative neurotoxic 25-35 region. <i>Biochemical and Biophysical Research Communications</i> , 1994 , 205, 120-6	3.4	24
3	Optimalization of ceramic-based noble metal-free catalysts for CO oxidation reactions. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 1	1.6	
2	Electronic work function modulation of phosphorene by thermal oxidation. <i>2D Materials</i> ,	5.9	1
1	Rapid direct cathodic voltammetric determination of insecticide flonicamid by renewable silver-amalgam film electrode. <i>International Journal of Environmental Analytical Chemistry</i> , 1-15	1.8	