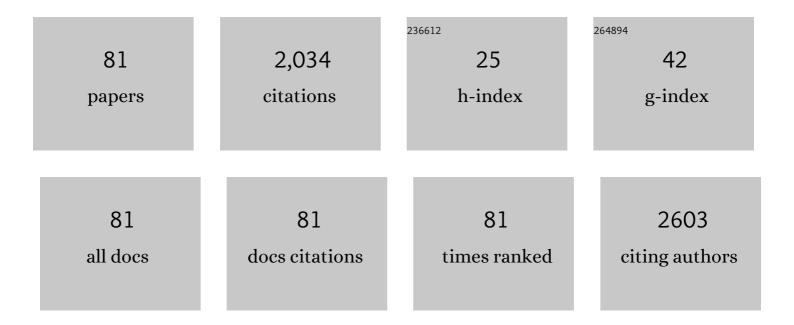
List of Publications by Year in descending order

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<u> Ρλελά Ι Μ/ Δ3 βει</u>

#	Article	IF	CITATIONS
1	Highly microporous activated carbons from biomass for CO 2 capture and effective micropores at different conditions. Journal of CO2 Utilization, 2017, 18, 73-79.	3.3	265
2	Comparison of Optimized Isotherm Models and Error Functions for Carbon Dioxide Adsorption on Activated Carbon. Journal of Chemical & amp; Engineering Data, 2015, 60, 3148-3158.	1.0	99
3	Antibacterial properties of TiO2 modified with reduced graphene oxide. Ecotoxicology and Environmental Safety, 2018, 147, 788-793.	2.9	89
4	CO Oxidation on a CeO _{<i>x</i>} /Pt(111) Inverse Model Catalyst Surface: Catalytic Promotion and Tuning of Kinetic Phase Diagrams. Journal of Physical Chemistry C, 2008, 112, 20012-20017.	1.5	79
5	Low-cost nitrogen-doped activated carbon prepared by polyethylenimine (PEI) with a convenient method for supercapacitor application. Electrochimica Acta, 2019, 294, 183-191.	2.6	78
6	Physical properties of pyridinium ionic liquids. Journal of Chemical Thermodynamics, 2012, 55, 159-165.	1.0	72
7	Nitrogen-doped, metal-modified rutile titanium dioxide as photocatalysts for water remediation. Applied Catalysis B: Environmental, 2015, 162, 310-318.	10.8	57
8	Improvement of CO 2 uptake of activated carbons by treatment with mineral acids. Chemical Engineering Journal, 2017, 309, 159-171.	6.6	53
9	Using of carbon nanotubes and nano carbon black for electrical conductivity adjustment of pressure-sensitive adhesives. International Journal of Adhesion and Adhesives, 2012, 36, 20-24.	1.4	50
10	Performance of two photocatalytic membrane reactors for treatment of primary and secondary effluents. Catalysis Today, 2014, 236, 135-145.	2.2	48
11	Photocatalytic degradation of acetic acid in the presence of visible light-active TiO 2 -reduced graphene oxide photocatalysts. Catalysis Today, 2017, 280, 108-113.	2.2	44
12	A study on the stability of polyethersulfone ultrafiltration membranes in a photocatalytic membrane reactor. Journal of Membrane Science, 2015, 495, 176-186.	4.1	43
13	The influence of feed composition on fouling and stability of a polyethersulfone ultrafiltration membrane in a photocatalytic membrane reactor. Chemical Engineering Journal, 2017, 310, 360-367.	6.6	42
14	Microscopic studies on TiO2 fouling of MF/UF polyethersulfone membranes in a photocatalytic membrane reactor. Journal of Membrane Science, 2014, 470, 356-368.	4.1	41
15	Cerium oxide layers on the Cu(111) surface: Substrate-mediated redox properties. Surface Science, 2008, 602, 436-442.	0.8	38
16	Titanium dioxide modified with various amines used as sorbents of carbon dioxide. New Journal of Chemistry, 2017, 41, 1549-1557.	1.4	37
17	Surface characteristics of KOH-treated commercial carbons applied for CO ₂ adsorption. Adsorption Science and Technology, 2018, 36, 478-492.	1.5	37
18	Influence of an Electronic Structure of N-TiO2 on Its Photocatalytic Activity towards Decomposition of Acetaldehyde under UV and Fluorescent Lamps Irradiation. Catalysts, 2018, 8, 85.	1.6	37

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19	Solidâ^'Gas Reaction with Adsorption as the Rate Limiting Step. Journal of Physical Chemistry A, 2006, 110, 9219-9224.	1.1	35
20	Raman study of surface optical phonons in ZnO(Mn) nanoparticles. Journal of Alloys and Compounds, 2014, 585, 214-219.	2.8	35
21	Fe/EuroPh catalysts for limonene oxidation to 1,2-epoxylimonene, its diol, carveol, carvone and perillyl alcohol. Catalysis Today, 2016, 268, 111-120.	2.2	33
22	One-Step Synergistic Effect to Produce Two-Dimensional N-Doped Hierarchical Porous Carbon Nanosheets for High-Performance Flexible Supercapacitors. ACS Applied Energy Materials, 2020, 3, 8562-8572.	2.5	32
23	Activated Carbons from Molasses as CO ₂ Sorbents. Acta Physica Polonica A, 2016, 129, 402-404.	0.2	29
24	Oxidation of limonene using activated carbon modified in dielectric barrier discharge plasma. Applied Surface Science, 2017, 420, 873-881.	3.1	28
25	Ceria nanoformations in CO oxidation on Pt(111): Promotional effects and reversible redox behaviour. Surface Science, 2007, 601, 4843-4848.	0.8	27
26	Photocatalytic decomposition of benzo-[a]-pyrene on the surface of acrylic, latex and mineral paints. Influence of paint composition. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 286, 10-15.	2.0	27
27	Carbon Spheres as CO2 Sorbents. Applied Sciences (Switzerland), 2019, 9, 3349.	1.3	26
28	Study of the Kinetics of Nitriding of Nanocrystalline Iron Using TG and XRD Methods. Solid State Phenomena, 2003, 94, 185-188.	0.3	25
29	Alkali-treated titanium dioxide as adsorbent for CO2 capture from air. Microporous and Mesoporous Materials, 2015, 202, 241-249.	2.2	25
30	Influence of pH of sol-gel solution on phase composition and photocatalytic activity of TiO 2 under UV and visible light. Materials Research Bulletin, 2016, 84, 152-161.	2.7	25
31	Adsorption dynamics of chlorinated hydrocarbons from multi-component aqueous solution onto activated carbon. Journal of Hazardous Materials, 2006, 137, 1479-1487.	6.5	23
32	Improvement of photocatalytic activity of silicate paints by removal of K2SO4. Atmospheric Environment, 2015, 115, 47-52.	1.9	23
33	N-doped activated carbon derived from furfuryl alcohol – development of porosity, properties, and adsorption of carbon dioxide and ethene. Chemical Engineering Journal, 2022, 427, 131709.	6.6	23
34	Indonesian coral reef habitats reveal exceptionally high species richness and biodiversity of diatom assemblages. Estuarine, Coastal and Shelf Science, 2021, 261, 107551.	0.9	21
35	Influence of Subsurface Oxygen in the Catalytic CO Oxidation on Pd(111). Journal of Physical Chemistry C, 2015, 119, 5386-5394.	1.5	19
36	Preparation and Characterization of Rutile-Type TiO2 Doped with Cu. Journal of Materials Engineering and Performance, 2015, 24, 1243-1252.	1.2	19

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37	Synthesis and antibacterial properties of Fe ₃ O ₄ -Ag nanostructures. Polish Journal of Chemical Technology, 2016, 18, 110-116.	0.3	19
38	Preparation and characterisation of carbon spheres for carbon dioxide capture. Journal of Porous Materials, 2019, 26, 19-27.	1.3	19
39	Carbon and sulphur on Pd(111) and Pt(111): Experimental problems during cleaning of the substrates and impact of sulphur on the redox properties of CeOx in the CeOx/Pd(111) system. Vacuum, 2010, 84, 1258-1265.	1.6	17
40	TiO 2 /titanate composite nanorod obtained from various alkali solutions as CO 2 sorbents from exhaust gases. Microporous and Mesoporous Materials, 2016, 231, 117-127.	2.2	17
41	Photocatalytic oxidation of nitric oxide over AgNPs/TiO2-loaded carbon fiber cloths. Journal of Environmental Management, 2020, 262, 110343.	3.8	17
42	Adsorption of carbon dioxide on TEPA-modified TiO ₂ /titanate composite nanorods. New Journal of Chemistry, 2017, 41, 7870-7885.	1.4	16
43	Geochemistry of cobalt-rich ferromanganese crusts from the Perth Abyssal Plain (E Indian Ocean). Ore Geology Reviews, 2018, 101, 520-531.	1.1	16
44	Preparation of Activated Carbon from Beet Molasses and TiO ₂ as the Adsorption of CO ₂ . Acta Physica Polonica A, 2016, 129, 158-161.	0.2	16
45	Studies on the Kinetics of Carbon Deposit Formation on Nanocrystalline Iron Stabilized with Structural Promoters. Journal of Physical Chemistry C, 2014, 118, 15434-15439.	1.5	15
46	Utilisation of XRD for the Determination of the Size Distribution of Nanocrystalline Iron Materials. Solid State Phenomena, 2003, 94, 235-238.	0.3	13
47	High-quality ZrO2/Si(001) thin films by a sol-gel process: Preparation and characterization. Journal of Applied Physics, 2010, 107, 094103.	1.1	13
48	Impact on CO2 Uptake of MWCNT after Acid Treatment Study. Journal of Nanomaterials, 2017, 2017, 1-11.	1.5	13
49	Surface properties tuning of exfoliated graphitic carbon nitride for multiple photocatalytic performance. Solar Energy, 2020, 207, 528-538.	2.9	13
50	Effect of Nano-SiO2 on the Microstructure and Mechanical Properties of Concrete under High Temperature Conditions. Materials, 2022, 15, 166.	1.3	13
51	Mineralogy of Cobalt-Rich Ferromanganese Crusts from the Perth Abyssal Plain (E Indian Ocean). Minerals (Basel, Switzerland), 2019, 9, 84.	0.8	11
52	TiO ₂ Supported on Quartz Wool for Photocatalytic Oxidation of Hydrogen Sulphide. Adsorption Science and Technology, 2014, 32, 765-773.	1.5	10
53	Morphological and molecular identification reveals that waters from an isolated oasis in Tamanrasset (extreme South of Algerian Sahara) are colonized by opportunistic and pollution-tolerant diatom species. Ecological Indicators, 2021, 121, 107104.	2.6	9
54	The Increase of the Micoporosity and CO2 Adsorption Capacity of the Commercial Activated Carbon		8

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55	Hybrid carbon-TiO2 spheres: Investigation of structure, morphology and spectroscopic studies. Applied Surface Science, 2019, 469, 684-690.	3.1	8
56	Extreme Enlargement of the Inverted Repeat Region in the Plastid Genomes of Diatoms from the Genus Climaconeis. International Journal of Molecular Sciences, 2021, 22, 7155.	1.8	8
57	Biodiversity of carapace epibiont diatoms in loggerhead sea turtles (<i>Caretta caretta</i> Linnaeus) Tj ETQq1	1 0.78431 0.9	4 rgBT /Over
58	Evaluation and X-Ray Induced Modification of the Cerium Oxidation State in Cerium Calixarene Complexes. Solid State Phenomena, 2007, 128, 115-120.	0.3	6
59	Electrically conductive acrylic pressure-sensitive adhesives containing carbon black. Polish Journal of Chemical Technology, 2011, 13, 77-81.	0.3	6
60	Influence of Elemental Carbon (EC) Coating Covering nc-(Ti,Mo)C Particles on the Microstructure and Properties of Titanium Matrix Composites Prepared by Reactive Spark Plasma Sintering. Materials, 2021, 14, 231.	1.3	6
61	Evaluation of ferrofluid-coated rotating magnetic field-assisted bioreactor for biomass production. Chemical Engineering Journal, 2022, 431, 133913.	6.6	6
62	Basic physiology of Pseudomonas aeruginosa contacted with carbon nanocomposites. Applied Nanoscience (Switzerland), 2022, 12, 1917-1927.	1.6	5
63	The influence of nanomaterials on pyocyanin production by Pseudomonas aeruginosa. Applied Nanoscience (Switzerland), 2022, 12, 1929-1940.	1.6	5
64	Second/Additional Bistability in a CO Oxidation Reaction on Pt(111): An Extension and Compilation. Journal of Physical Chemistry C, 2012, 116, 22287-22292.	1.5	4
65	Increase the Microporosity and CO ₂ Adsorption of a Commercial Activated Carbon. Applied Mechanics and Materials, 0, 749, 17-21.	0.2	4
66	Evolution of the silicoflagellate naviculopsid skeletal morphology in the Cenozoic. Marine Micropaleontology, 2020, 156, 101820.	0.5	4
67	Novel Diatoms (Bacillariophyta) from tropical and temperate marine littoral habitats with the description of <i>Catenulopsis</i> gen. nov., and two <i>Catenula</i> species. Diatom Research, 2021, 36, 265-280.	0.5	4
68	Geochemistry and Mineralogy of Ferromanganese Crusts from the Western Cocos-Nazca Spreading Centre, Pacific. Minerals (Basel, Switzerland), 2022, 12, 538.	0.8	4
69	Characterization of laser-irradiated YNi 2 B 2 C surfaces by Auger electron spectroscopy. Analytical and Bioanalytical Chemistry, 2002, 374, 681-684.	1.9	2
70	Thermal stability of nanocrystalline iron. Materials Science-Poland, 2012, 30, 63-69.	0.4	2
71	Preparation and characterization of titania powders obtained via hydrolysis of titanium tetraisopropoxide. Materials Science-Poland, 2014, 32, 71-79.	0.4	2
72	Thermal Properties and Burial Alteration of Deep-Sea Sediments: New Indicators of Oxicâ^'Suboxic Diagenesis. Minerals (Basel, Switzerland), 2020, 10, 901.	0.8	2

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73	Improving the Carbon Dioxide Uptake Efficiency of activated Carbons Using a Secondary Activation With Potassium Hydroxide. Polish Journal of Chemical Technology, 2018, 20, 87-94.	0.3	2
74	Silicoflagellate evolution through the Cenozoic. Marine Micropaleontology, 2022, 172, 102108.	0.5	2
75	Enhancement of XPS surface sensitivity in nanocrystalline material. Polish Journal of Chemical Technology, 2010, 12, 62-63.	0.3	1
76	Nucleation in a gasâ \in solid state reaction. Crystal Research and Technology, 2012, 47, 1164-1171.	0.6	1
77	Supramolecular synthons and pattern recognition in adenine amides – synthesis, structures and thermal properties. Supramolecular Chemistry, 2015, 27, 571-583.	1.5	1
78	Iron(II) Sulfate(VI) from Titania Production as a Raw Material for Preparation of Hydrogen Sulfide Sorbents. Chemical Engineering and Technology, 2020, 43, 104-110.	0.9	1
79	Influence of weather conditions on the durability of acrylic-polyurethane car coatings in an industrial area. Polimery, 2021, 66, 503-517.	0.4	1
80	Photodegradation of Benzo-[a]-pyrene on the Surface of the Photocatalytic Paints and Analysis of the Degradation Products. Journal of Advanced Oxidation Technologies, 2013, 16, .	0.5	0
81	Chromatographic properties of hydrogenated microdiamond synthesized by high pressure and high temperature. Journal of Chromatography A, 2022, 1673, 463127.	1.8	Ο