

# Abbas Khaleel

## List of Publications by Year in descending order

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37  
papers

1,020  
citations

471509

17  
h-index

414414

32  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1293  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanocrystalline Metal Oxides as Unique Chemical Reagents/Sorbents. <i>Chemistry - A European Journal</i> , 2001, 7, 2505-2510.	3.3	191
2	Nanocrystalline metal oxides as new adsorbents for air purification. <i>Scripta Materialia</i> , 1999, 11, 459-468.	0.5	120
3	Catalyzed Destructive Adsorption of Environmental Toxins with Nanocrystalline Metal Oxides. Fluoro-, Chloro-, Bromocarbons, Sulfur, and Organophosphorus Compounds. <i>Environmental Science &amp; Technology</i> , 2002, 36, 762-768.	10.0	94
4	Supported and mixed oxide catalysts based on iron and titanium for the oxidative decomposition of chlorobenzene. <i>Applied Catalysis B: Environmental</i> , 2008, 80, 176-184.	20.2	69
5	Nanostructured Pure $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> via Forced Precipitation in an Organic Solvent. <i>Chemistry - A European Journal</i> , 2004, 10, 925-932.	3.3	58
6	FTIR Investigation of Adsorption and Chemical Decomposition of CCl <sub>4</sub> by High Surface-Area Aluminum Oxide. <i>Environmental Science &amp; Technology</i> , 2002, 36, 1620-1624.	10.0	44
7	Meso-macroporous $\gamma$ -alumina by template-free sol-gel synthesis: The effect of the solvent and acid catalyst on the microstructure and textural properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 369, 272-280.	4.7	34
8	Sol-gel synthesis, characterization, and catalytic activity of Fe(III) titanates. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 346, 130-137.	4.7	32
9	Construction of BiOF/BiOI nanocomposites with tunable band gaps as efficient visible-light photocatalysts. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 375, 30-39.	3.9	31
10	Nanocrystals as stoichiometric reagents with unique surface chemistry. New adsorbents for air purification. <i>Scripta Materialia</i> , 1999, 12, 463-466.	0.5	28
11	Catalytic activity of mesoporous alumina for the hydrolysis and dechlorination of carbon tetrachloride. <i>Microporous and Mesoporous Materials</i> , 2006, 91, 53-58.	4.4	27
12	Tunable band gap of Bi <sup>3+</sup> -doped anatase TiO <sub>2</sub> for enhanced photocatalytic removal of acetaminophen under UV-visible light irradiation. <i>Journal of Water Reuse and Desalination</i> , 2019, 9, 31-46.	2.3	26
13	Methanol dehydration to dimethyl ether over highly porous xerogel alumina catalyst: Flow rate effect. <i>Fuel Processing Technology</i> , 2010, 91, 1505-1509.	7.2	25
14	Nanostructured chromium-iron mixed oxides: Physicochemical properties and catalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 355, 75-82.	4.7	23
15	Host-guest complexes of cucurbit[7]uril with albendazole in solid state. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 385-392.	3.6	23
16	Titanium-doped alumina for catalytic dehydration of methanol to dimethyl ether at relatively low temperatures. <i>Fuel</i> , 2011, 90, 2422-2427.	6.4	22
17	Biomimetic PLGA/Strontium-Zinc Nano Hydroxyapatite Composite Scaffolds for Bone Regeneration. <i>Journal of Functional Biomaterials</i> , 2022, 13, 13.	4.4	19
18	Immobilized Soybean Peroxidase Hybrid Biocatalysts for Efficient Degradation of Various Emerging Pollutants. <i>Biomolecules</i> , 2021, 11, 904.	4.0	15

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19	Photochemical Synthesis of (Î-6-Arene)chromium Hydrido Stannyl and (Î-6-Arene)chromium Bis(stannyl) Complexes. <i>Inorganic Chemistry</i> , 1996, 35, 3223-3227.	4.0	14
20	The effect of metal ion dopants (V <sup>3+</sup> , Cr <sup>3+</sup> , Fe <sup>3+</sup> , Mn <sup>2+</sup> , Ce <sup>3+</sup> ) and their concentration on the morphology and the texture of doped Î <sup>3</sup> -alumina. <i>Microporous and Mesoporous Materials</i> , 2013, 168, 7-14.	4.4	14
21	Structural and textural characterization of solâ€gel prepared nanoscale titaniumâ€chromium mixed oxides. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 1282-1287.	3.1	13
22	Catalytic conversion of chloromethane to methanol and dimethyl ether over mesoporous Î <sup>3</sup> -alumina. <i>Fuel Processing Technology</i> , 2011, 92, 1783-1789.	7.2	12
23	Enhanced catalytic complete oxidation of 1,2-dichloroethane over mesoporous transition metal-doped Î <sup>3</sup> -Al <sub>2</sub> O <sub>3</sub> . <i>Journal of Environmental Sciences</i> , 2015, 29, 199-209.	6.1	12
24	Photochemical synthesis of new (Î-6-arene)Crâ€hydrido stannyl and (Î-6-arene)Crâ€bis-stannyl complexes. Ligand effects on the Snâ€H interaction in the hydrido stannyl compounds. <i>Journal of Organometallic Chemistry</i> , 1999, 572, 11-20.	1.8	11
25	Alkoxide-free solâ€gel synthesis of aerogel ironâ€chromium mixed oxides with unique textural properties. <i>Materials Letters</i> , 2012, 68, 385-387.	2.6	10
26	Ti-doped Î <sup>3</sup> -Al <sub>2</sub> O <sub>3</sub> versus ZSM5 zeolites for methanol to dimethyl ether conversion: In-situ DRIFTS investigation of surface interactions and reaction mechanism. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 571, 174-181.	4.7	9
27	The effect of composition and gel treatment conditions on the textural properties, reducibility, and catalytic activity of solâ€gel-prepared Fe(III)â€Cr(III) bulk mixed oxides. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 488, 52-57.	4.7	8
28	Enhanced selectivity of syngas in partial oxidation of methane: A new route for promising Niâ€alumina catalysts derived from Ni/ <math>\gamma\text{-AlOOH}</math> with modified Ni dispersion. <i>International Journal of Energy Research</i> , 2020, 44, 12081-12099.	4.5	6
29	Rheological characteristics of nickelâ€alumina solâ€gel catalyst. <i>Fuel Processing Technology</i> , 2012, 102, 85-89.	7.2	5
30	Solâ€gel derived Cr(III) and Cu(II)/Î <sup>3</sup> -Al <sub>2</sub> O <sub>3</sub> doped solids: Effect of the dopant precursor nature on the structural, textural and morphological properties. <i>Materials Research Bulletin</i> , 2013, 48, 1709-1715.	5.2	5
31	United Arab Emirates limestones: impact of petrography on thermal behavior. <i>Mineralogy and Petrology</i> , 2014, 108, 837-852.	1.1	5
32	Ti(IV)-doped Î <sup>3</sup> -Fe <sub>2</sub> O <sub>3</sub> nanoparticles possessing unique textural and chemical properties: Enhanced suppression of phase transformation and promising catalytic activity. <i>Journal of Solid State Chemistry</i> , 2018, 259, 91-97.	2.9	5
33	Field-dependent Morin Transition and Temperature-Dependent Spin-flop in Synthetic Hematite Nanoparticles. <i>Current Nanoscience</i> , 2021, 16, 967-975.	1.2	4
34	Role of Shell Thickness and Applied Field on The Magnetic Anisotropy and Temperature Dependence of Coercivity in Fe <sub>3</sub> O <sub>4</sub> /Î <sup>3</sup> -Fe <sub>2</sub> O <sub>3</sub> Core/shell Nanoparticles. <i>Materials Express</i> , 2019, 9, 123-132.	0.5	3
35	Unique textural properties of titanium-doped alumina via solâ€gel synthesis under non-acidic conditions. <i>Materials Letters</i> , 2012, 68, 11-13.	2.6	1
36	Structural, Textural, and Catalytic Properties of Ti(IV)â€Fe(III) Mixed Oxides Prepared by a Modified Solâ€Gel Route. <i>ChemistrySelect</i> , 2017, 2, 791-799.	1.5	1

#	ARTICLE	IF	CITATIONS
37	Positive and negative exchange bias in maghemite nanoparticles. Materials Today: Proceedings, 2020, 28, 611-614.	1.8	1