## Houssam Rassy

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9458487/publications.pdf

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38 2,074 20 38 papers citations h-index g-index

39 39 39 39 2960

times ranked

citing authors

docs citations

all docs

#	Article	IF	CITATIONS
1	Photocatalytic activity of ZnFe2O4/NiO nanocomposites carried out under UV irradiation. Ceramics International, 2022, 48, 30905-30916.	2.3	9
2	Chitosan oligosaccharide/silica nanoparticles hybrid porous gel for mercury adsorption and detection. Materials Today Communications, 2021, 28, 102707.	0.9	13
3	Curcumin-loaded metal oxide aerogels: supercritical drying and stability. RSC Advances, 2021, 11, 34479-34486.	1.7	1
4	Molecularly imprinted phenyl-functionalized silica aerogels: Selective adsorbents for methylxanthines and PAHs. Microporous and Mesoporous Materials, 2020, 292, 109759.	2.2	33
5	Hybrid CaO/Al2O3 aerogel as heterogeneous catalyst for biodiesel production. Chemical Engineering Journal, 2020, 385, 123834.	6.6	88
6	Nickel–Aluminum Oxide Aerogels: Super-adsorbents for Azo Dyes for Water Remediation. ACS Omega, 2020, 5, 27401-27412.	1.6	9
7	Entrapment vs. immobilization of polyoxometalates into silica and titania aerogels: Application in heterogeneous oxidation catalysis. Materials Chemistry and Physics, 2020, 252, 123296.	2.0	6
8	Photocatalytic and Kinetic Study on the Degradation of Three Food Pesticides Using Vanadium-Substituted Polyoxotungstates. International Journal of Environmental Research, 2019, 13, 899-907.	1.1	7
9	Equilibrium and kinetic studies on adsorption of chromium(VI) onto pine-needle-generated activated carbon. SN Applied Sciences, 2019, 1, 1.	1.5	7
10	Surface and structural studies in a PbCrO4 Liesegang pattern with revert spacing. Chemical Physics Letters, 2019, 734, 136735.	1.2	4
11	Synthesis and characterisation of mesoporous hybrid silica-polyoxometalate aerogels for photocatalytic degradation of rhodamine B and methylene blue. International Journal of Environmental Analytical Chemistry, 2019, 99, 1375-1396.	1.8	22
12	Liesegang bands versus random crystallites in Ag2Cr2O7 – Single and mixed gelled media. Chemical Physics Letters, 2018, 693, 198-201.	1.2	7
13	Assessment of the Physico-Chemical Properties of Waste Cooking Oil and Spent Coffee Grounds Oil for Potential Use as Asphalt Binder Rejuvenators. Waste and Biomass Valorization, 2018, 9, 2125-2132.	1.8	36
14	Simulation of geochemical banding I: Acidization-precipitation experiments in a ferruginous limestone rock. Chemical Geology, 2016, 440, 42-49.	1.4	15
15	Self-assembled lanthanum hydroxide microspheres within a reaction–diffusion framework: synthesis, characterization, control and application. RSC Advances, 2016, 6, 3433-3439.	1.7	11
16	Activated carbon prepared from crushed pine needles used for the removal of Ni and Cd. Desalination and Water Treatment, 2015, 53, 3371-3380.	1.0	8
17	Surface-functionalized silica aerogels and alcogels for methylene blue adsorption. RSC Advances, 2015, 5, 6111-6122.	1.7	53
18	Liesegang banding and multiple precipitate formation in cobalt phosphate systems. Chemical Physics Letters, 2012, 525-526, 54-59.	1.2	21

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19	Immobilized polyoxometalates onto mesoporous organically-modified silica aerogels as selective heterogeneous catalysts of anthracene oxidation. Journal of Sol-Gel Science and Technology, 2012, 61, 541-550.	1.1	20
20	Mechanism of Revert Spacing in a PbCrO <sub>4</sub> Liesegang System. Journal of Physical Chemistry A, 2011, 115, 2994-2998.	1.1	48
21	Synthesis and Characterization of Mesoporous Hybrid Silica-Polyacrylamide Aerogels and Xerogels. Silicon, 2011, 3, 63-75.	1.8	28
22	Effect of the Ball Milling Conditions, under Air, on the Preliminary Hydriding Properties of the Mixtures Mg-x Wt% Graphite. Role of Solvent. Advanced Materials Research, 2011, 324, 119-124.	0.3	4
23	Morphology of a 2D <mml:math altimg="si6.gif" display="inline" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mtext>Mg</mml:mtext></mml:mrow><mml:m 2010,<="" and="" chemical="" electric="" field.="" in="" letters,="" liesegang="" negative="" pattern="" physics="" positive="" radial="" td="" zero,=""><td>row<b>l</b>≯2∕mm</td><td>l:mɪʊ&gt;2</td></mml:m></mml:mrow></mml:math>	row <b>l</b> ≯2∕mm	l:mɪʊ>2
24	102, 35 30. Reaction–diffusion based co-synthesis of stable α- and β-cobalt hydroxide in bio-organic gels. Journal of Crystal Growth, 2010, 312, 856-862.	0.7	24
25	Surface characterization by nitrogen adsorption of silica aerogels synthesized from various Si(OR)4 and Râ $\in$ 3Si(ORâ $\in$ 2)3 precursors. Applied Surface Science, 2010, 257, 276-281.	3.1	37
26	Mercury removal from aqueous solutions using silica, polyacrylamide and hybrid silica–polyacrylamide aerogels. Chemical Engineering Journal, 2010, 159, 107-115.	6.6	73
27	Adsorption kinetics and thermodynamics of azo-dye Orange II onto highly porous titania aerogel. Chemical Engineering Journal, 2009, 150, 403-410.	6.6	278
28	Synthesis and characterization by FTIR spectroscopy of silica aerogels prepared using several Si(OR)4 and R′′Si(OR′)3 precursors. Journal of Molecular Structure, 2009, 919, 140-145.	1.8	733
29	Cobalt ferrite aerogels by epoxide sol–gel addition: Efficient catalysts for the hydrolysis of 4-nitrophenyl phosphate. Journal of Molecular Catalysis A, 2009, 312, 18-22.	4.8	22
30	Cosynthesis, Coexistence, and Self-Organization of $\hat{l}_{\pm}$ - and $\hat{l}^2$ -Cobalt Hydroxide Based on Diffusion and Reaction in Organic Gels. Journal of Physical Chemistry A, 2008, 112, 7755-7757.	1.1	41
31	Onion Phases as Biomimetic Confined Media for Silica Nanoparticle Growth. Langmuir, 2005, 21, 8584-8587.	1.6	36
32	NMR and IR spectroscopy of silica aerogels with different hydrophobic characteristics. Journal of Non-Crystalline Solids, 2005, 351, 1603-1610.	1.5	143
33	Application of lipase encapsulated in silica aerogels to a transesterification reaction in hydrophobic and hydrophilic solvents: Bi-Bi Ping-Pong kinetics. Journal of Molecular Catalysis B: Enzymatic, 2004, 30, 137-150.	1.8	41
34	Hydrophobic silica aerogel–lipase biocatalysts. Journal of Non-Crystalline Solids, 2004, 350, 23-30.	1.5	25
35	Biocatalytic Gelation of Silica in the Presence of a Lipase. Journal of Sol-Gel Science and Technology, 2003, 27, 373-379.	1.1	35
36	Surface Characterization of Silica Aerogels with Different Proportions of Hydrophobic Groups, Dried by the CO2Supercritical Method. Langmuir, 2003, 19, 358-363.	1.6	72

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37	Reactivity of selected volatile organic compounds (VOCs) toward the sulfate radical (SO4?). International Journal of Chemical Kinetics, 2001, 33, 539-547.	1.0	45
38	Photodegradation of methylene blue catalyzed by tungstophosphate/aerogel hybrid materials under ultraviolet irradiation., 0, 195, 321-333.		O