

Almaz S Jalilov

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6669712/almaz-s-jalilov-publications-by-year.pdf>

Version: 2024-04-26

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.

50
papers

1,292
citations

18
h-index

35
g-index

51
ext. papers

1,495
ext. citations

9.2
avg, IF

4.66
L-index

#	Paper	IF	Citations
50	Blue- and white-light-emitting 2D-coordination polymers and their solid-state photodimerization reaction. <i>CrystEngComm</i> , 2021 , 23, 7663-7670	3.3	
49	Photoluminescent Carbon Nanodots Integrated Polymeric Materials in One Step from Molecular Precursors. <i>ChemistrySelect</i> , 2021 , 6, 9880-9887	1.8	1
48	Impact of Polypyrrole Functionalization on the Anodic Performance of Boron Nitride Nanosheets: Insights From First-Principles Calculations. <i>Frontiers in Chemistry</i> , 2021 , 9, 670833	5	5
47	Design of Green-Emitting Salts from Substituted Pyridines: Understanding the Solid-State Photodimerization of trans-1,2-bis(4-pyridyl)ethylene. <i>ChemPhysChem</i> , 2021 , 22, 1088-1093	3.2	0
46	Degradation Kinetics and Mechanism of Polychloromethanes Reduction at Co-MoS ₂ /Graphite Felt Electrode. <i>Catalysts</i> , 2021 , 11, 929	4	
45	Quasi-1D Aligned Nanostructures for Solar-Driven Water Splitting Applications: Challenges, Promises, and Perspectives. <i>Solar Rrl</i> , 2021 , 5, 2000741	7.1	4
44	Avalanche effect for chemically modified dust mitigation from surfaces. <i>Scientific Reports</i> , 2021 , 11, 8174.9	4.9	2
43	Combining Optical Properties with Flexibility in Halogen-Substituted Benzothiazole Crystals. <i>Crystal Growth and Design</i> , 2020 , 20, 3937-3943	3.5	16
42	Halogen Bonding Between Anions: Association of Anion Radicals of Tetraiodo-p-benzoquinone with Iodide Anions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17197-17201	16.4	12
41	Halogen Bonding Between Anions: Association of Anion Radicals of Tetraiodo-p-benzoquinone with Iodide Anions. <i>Angewandte Chemie</i> , 2020 , 132, 17350-17354	3.6	4
40	Intermolecular Interactions between Halogen-Substituted p-Benzoquinones and Halide Anions: Anion- π Complexes versus Halogen Bonding. <i>ChemPlusChem</i> , 2020 , 85, 441-449	2.8	2
39	Selectively capturing carbon dioxide from mixed gas streams using a new microporous organic copolymer. <i>Microporous and Mesoporous Materials</i> , 2020 , 305, 110391	5.3	5
38	Solvent Effect on Structural Elucidation of Photoluminescent Graphitic Carbon Nanodots. <i>ACS Omega</i> , 2020 , 5, 20409-20416	3.9	6
37	Adhesion characteristics of solution treated environmental dust. <i>Scientific Reports</i> , 2020 , 10, 13812	4.9	4
36	Droplet flow-assisted heterogeneous electro-Fenton reactor for degradation of beta-blockers: response surface optimization, and mechanism elucidation. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 14313-14327	5.1	7
35	Catalytic oxidation and reduction reactions of hydrophilic carbon clusters with NADH and cytochrome C: features of an electron transport nanozyme. <i>Nanoscale</i> , 2019 , 11, 10791-10807	7.7	8
34	Highly Oxidized Graphene Quantum Dots from Coal as Efficient Antioxidants. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 16815-16821	9.5	35

33	Single-Crystal-to-Single-Crystal Transformation of Hydrogen-Bonded Triple-Stranded Ladder Coordination Polymer via Photodimerization Reaction. <i>Inorganic Chemistry</i> , 2019 , 58, 10167-10173	5.1	10
32	Structure Property Correlation of a Series of Halogenated Schiff Base Crystals and Understanding of the Molecular Basis Through Nanoindentation. <i>Crystal Growth and Design</i> , 2019 , 19, 6698-6707	3.5	11
31	Pore Characteristics for Efficient CO Storage in Hydrated Carbons. <i>ACS Applied Materials & Interfaces</i> , 2019 ,	9.5	11
30	Electrochemical CO ₂ Reduction with Atomic Iron-Dispersed on Nitrogen-Doped Graphene. <i>Advanced Energy Materials</i> , 2018 , 8, 1703487	21.8	277
29	Kinetic and Mechanistic Analysis of Dibenzothiophene Hydrodesulfurization on Ti-SBA-15NiMo Catalysts. <i>Energy & Fuels</i> , 2018 , 32, 11383-11389	4.1	9
28	Suppressing Li Metal Dendrites Through a Solid Li-Ion Backup Layer. <i>Advanced Materials</i> , 2018 , 30, e1803869	38.9	49
27	Near-White Light Emission from Lead(II) Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2018 , 57, 11341-11346	11.1	136
26	Perylene Diimide as a Precise Graphene-like Superoxide Dismutase Mimetic. <i>ACS Nano</i> , 2017 , 11, 2024-2032	20.7	40
25	High Performance Electrocatalytic Reaction of Hydrogen and Oxygen on Ruthenium Nanoclusters. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 3785-3791	9.5	84
24	Tuning hydrophobicity of a fluorinated terpolymer in differently assembled thin films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017 , 55, 643-657	2.6	6
23	Chemically interconnected light-weight 3D-carbon nanotube solid network. <i>Carbon</i> , 2017 , 119, 142-149	10.4	18
22	Ultrafast Charging High Capacity Asphalt-Lithium Metal Batteries. <i>ACS Nano</i> , 2017 , 11, 10761-10767	16.7	70
21	Lightweight Hexagonal Boron Nitride Foam for CO Absorption. <i>ACS Nano</i> , 2017 , 11, 8944-8952	16.7	42
20	Increased CO ₂ selectivity of asphalt-derived porous carbon through introduction of water into pore space. <i>Nature Energy</i> , 2017 , 2, 932-938	62.3	19
19	Ultra-High Surface Area Activated Porous Asphalt for CO ₂ Capture through Competitive Adsorption at High Pressures. <i>Advanced Energy Materials</i> , 2017 , 7, 1600693	21.8	64
18	Anticorrosion Coatings Based on Zinc Phosphate and Zinc Molybdate Nanoparticles. <i>Journal of Molecular and Engineering Materials</i> , 2016 , 04, 1640017	1.3	1
17	Mechanistic Study of the Conversion of Superoxide to Oxygen and Hydrogen Peroxide in Carbon Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15086-92	9.5	30
16	Biochar as a renewable source for high-performance CO ₂ sorbent. <i>Carbon</i> , 2016 , 107, 344-351	10.4	65

15	Charge-transfer complex formations of tetracyanoquinone (cyanil) and aromatic electron donors. <i>Journal of Physical Organic Chemistry</i> , 2016 , 29, 35-41	2.1	7
14	Electronic Interactions of Michler's Ketone with DNA Bases in Synthetic Hairpins. <i>Photochemistry and Photobiology</i> , 2015 , 91, 739-47	3.6	
13	Helical and Dendritic Unzipping of Carbon Nanotubes: A Route to Nitrogen-Doped Graphene Nanoribbons. <i>ACS Nano</i> , 2015 , 9, 5833-45	16.7	54
12	Asphalt-derived high surface area activated porous carbons for carbon dioxide capture. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 1376-82	9.5	91
11	Structure and electronic spectra of purine-methyl viologen charge transfer complexes. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 125-33	3.4	17
10	Monotrimethylene-bridged bis-p-phenylenediamine radical cations and dications: spin states, conformations, and dynamics. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 1439-48	2.8	14
9	Oxidation products of doubly trimethylene-bridged tetrabenzyl p-phenylenediamine paracyclophane. <i>Journal of Organic Chemistry</i> , 2013 , 78, 11373-81	4.2	7
8	Effect of ortho substitution on the charge localization of dinitrobenzene radical anions. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 3016-21	2.8	14
7	Intramolecular π -Stacking Interactions of Bridged Bis-p-Phenylenediamine Radical Cations and Diradical Dications: Charge-Transfer versus Spin-Coupling. <i>Angewandte Chemie</i> , 2011 , 123, 6992-6995	3.6	5
6	Intramolecular π -Stacking interactions of bridged bis-p-phenylenediamine radical cations and diradical dications: charge-transfer versus spin-coupling. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6860-3	16.4	18
5	Electron donor-acceptor interactions with flanking purines influence the efficiency of thymine photodimerization. <i>Journal of the American Chemical Society</i> , 2011 , 133, 20793-8	16.4	41
4	Solution and solid-state studies of doubly trimethylene-bridged tetraalkyl p-phenylenediamine diradical dication conformations. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6176-82	16.4	19
3	O-capped heteroadamantyl-substituted hydrazines and their oxidation products. <i>Journal of Organic Chemistry</i> , 2010 , 75, 2445-52	4.2	10
2	N,N'-dimethylpyrazinediium bis(tetrafluoroborate) and N,N'-diethylpyrazinediium bis(tetrafluoroborate): new examples of anion- π triads. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2009 , 65, o226-8		4
1	The spectral elucidation versus the X-ray structure of the critical precursor complex in bimolecular electron transfers: application of experimental/theoretical solvent probes to ion-radical (redox) dyads. <i>Journal of the American Chemical Society</i> , 2008 , 130, 1944-52	16.4	34