

# Iztok Arcon

## List of Publications by Year in descending order

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36  
papers

862  
citations

471509

17  
h-index

477307

29  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1347  
citing authors

#	ARTICLE	IF	CITATIONS
1	Resolving the Dilemma of Fe <sup>2+</sup> /C Catalysts by the Selective Synthesis of Tetrapyrrolic Active Sites via an Imprinting Strategy. <i>Journal of the American Chemical Society</i> , 2021, 143, 18010-18019.	13.7	68
2	On the Origin of the Electrochemical Capacity of Li <sub>2</sub> Fe <sub>0.8</sub> Mn <sub>0.2</sub> SiO <sub>4</sub> . <i>Journal of the Electrochemical Society</i> , 2010, 157, A1309.	2.9	66
3	Atomically Resolved Dealloying of Structurally Ordered Pt Nanoalloy as an Oxygen Reduction Reaction Electrocatalyst. <i>ACS Catalysis</i> , 2016, 6, 5530-5534.	11.2	65
4	XANES analysis of Fe valence in iron gall inks. <i>X-Ray Spectrometry</i> , 2007, 36, 199-205.	1.4	58
5	Pattern of iron distribution in maternal and filial tissues in wheat grains with contrasting levels of iron. <i>Journal of Experimental Botany</i> , 2013, 64, 3249-3260.	4.8	58
6	Influence of CdCl <sub>2</sub> and CdSO <sub>4</sub> supplementation on Cd distribution and ligand environment in leaves of the Cd hyperaccumulator <i>Noccaea (Thlaspi) praecox</i> . <i>Plant and Soil</i> , 2013, 370, 125-148.	3.7	50
7	Surface modified titanium dioxide using transition metals: nickel as a winning transition metal for solar light photocatalysis. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9882-9892.	10.3	43
8	Effect of the Morphology of the High-Surface-Area Support on the Performance of the Oxygen-Evolution Reaction for Iridium Nanoparticles. <i>ACS Catalysis</i> , 2021, 11, 670-681.	11.2	40
9	EXAFS determination of the size of Co clusters on silica. <i>Journal of Synchrotron Radiation</i> , 2001, 8, 575-577.	2.4	36
10	Alkali and earth alkali modified CuOx/SiO <sub>2</sub> catalysts for propylene partial oxidation: What determines the selectivity?. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 214-227.	20.2	32
11	Improved photocatalytic activity of anatase-rutile nanocomposites induced by low-temperature sol-gel Sn-modification of TiO <sub>2</sub> . <i>Catalysis Today</i> , 2021, 361, 124-129.	4.4	32
12	XAS analysis of a nanostructured iron polysaccharide produced anaerobically by a strain of <i>Klebsiella oxytoca</i> . <i>BioMetals</i> , 2012, 25, 875-881.	4.1	31
13	Spectroscopic Insights into the Electrochemical Mechanism of Rechargeable Calcium/Sulfur Batteries. <i>Chemistry of Materials</i> , 2020, 32, 8266-8275.	6.7	29
14	The effects of hydrothermal processing and germination on Fe speciation and Fe bioaccessibility to human intestinal Caco-2 cells in Tartary buckwheat. <i>Food Chemistry</i> , 2016, 199, 782-790.	8.2	25
15	SnO <sub>2</sub> -Containing Clinoptilolite as a Composite Photocatalyst for Dyes Removal from Wastewater under Solar Light. <i>Catalysts</i> , 2020, 10, 253.	3.5	25
16	Nutritional Quality and Safety of the Spirulina Dietary Supplements Sold on the Slovenian Market. <i>Foods</i> , 2022, 11, 849.	4.3	19
17	Metal-ion environment in solid Mn(II), Co(II) and Ni(II) hyaluronates. <i>Carbohydrate Research</i> , 2004, 339, 2549-2554.	2.3	18
18	Oxygen Vacancy-Related Cathodoluminescence Quenching and Polarons in CeO <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , 2020, 124, 19929-19936.	3.1	17

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19	Mineral Element Composition in Grain of Awned and Awnletted Wheat ( <i>Triticum aestivum</i> L.) Cultivars: Tissue-Specific Iron Speciation and Phytate and Non-Phytate Ligand Ratio. <i>Plants</i> , 2020, 9, 79.	3.5	17
20	Effect of Na, Cs and Ca on propylene epoxidation selectivity over CuOx/SiO <sub>2</sub> catalysts studied by catalytic tests, in-situ XAS and DFT. <i>Applied Surface Science</i> , 2020, 528, 146854.	6.1	15
21	Study of water adsorption on EDTA dealuminated zeolite Y. <i>Microporous and Mesoporous Materials</i> , 2020, 302, 110208.	4.4	13
22	XAS analysis of iron and palladium bonded to a polysaccharide produced anaerobically by a strain of <i>Klebsiella oxytoca</i> . <i>Journal of Synchrotron Radiation</i> , 2015, 22, 1215-1226.	2.4	12
23	<i>In-situ</i> XAS Study of Catalytic N <sub>2</sub> O Decomposition Over CuO/CeO <sub>2</sub> Catalysts. <i>ChemCatChem</i> , 2021, 13, 1814-1823.	3.7	12
24	An extracellular polymeric substance quickly chelates mercury(II) with N-heterocyclic groups. <i>Chemosphere</i> , 2017, 176, 296-304.	8.2	11
25	Effects of Different Copper Loadings on the Photocatalytic Activity of TiO <sub>2</sub> •SiO <sub>2</sub> Prepared at a Low Temperature for the Oxidation of Organic Pollutants in Water. <i>ChemCatChem</i> , 2018, 10, 2982-2993.	3.7	11
26	<i>Arabidopsis halleri</i> shows hyperbioindicator behaviour for Pb and leaf Pb accumulation spatially separated from Zn. <i>New Phytologist</i> , 2020, 226, 492-506.	7.3	11
27	Structure Development of NiO•YSZ Oxide Mixtures in Simulated Citrate•Nitrate Combustion Synthesis. <i>Journal of the American Ceramic Society</i> , 2007, 90, 3274-3281.	3.8	10
28	Improved photocatalytic activity of SnO <sub>2</sub> -TiO <sub>2</sub> nanocomposite thin films prepared by low-temperature sol-gel method. <i>Catalysis Today</i> , 2022, 397-399, 540-549.	4.4	9
29	Photo-Chemically-Deposited and Industrial Cu/ZnO/Al <sub>2</sub> O <sub>3</sub> Catalyst Material Surface Structures During CO <sub>2</sub> Hydrogenation to Methanol: EXAFS, XANES and XPS Analyses of Phases After Oxidation, Reduction, and Reaction. <i>Catalysis Letters</i> , 2021, 151, 3114-3134.	2.6	7
30	Comparing Magnetism in Isostructural Oxides A <sub>0.8</sub> La <sub>1.2</sub> MnO <sub>4.1</sub> : Anisotropic Spin Glass (A = Ba) versus Long-Range Order (A = Sr). <i>Chemistry of Materials</i> , 2019, 31, 7833-7844.	6.7	6
31	Photocatalytic Activity of Zirconium•and Manganese•Codoped Titania in Aqueous Media: The Role of the Metal Dopant and its Incorporation Site. <i>ChemCatChem</i> , 2016, 8, 2109-2118.	3.7	4
32	Cu and Zr surface sites in photocatalytic activity of TiO <sub>2</sub> nanoparticles: The effect of Zr distribution. <i>Catalysis Today</i> , 2019, 328, 105-110.	4.4	4
33	Recent Advances in 2D Imaging of Element Distribution in Plants by Focused Beam Techniques. , 2019, , 169-207.		2
34	Structure and Population of Complex Ionic Species in FeCl <sub>2</sub> Aqueous Solution by X-ray Absorption Spectroscopy. <i>Molecules</i> , 2022, 27, 642.	3.8	2
35	Removal of Copper from Aqueous Solutions with Zeolites and Possible Treatment of Exhaust Materials. <i>Chemie-Ingenieur-Technik</i> , 2021, 93, 941-948.	0.8	1
36	Family of anisotropic spin glasses Ba <sub>1-x</sub> La <sub>1+x</sub> MnO <sub>4</sub> . <i>Physical Review Materials</i> , 2021, 5, .	2.4	1