

# Josef KaÅ;lÃ-k

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2834072/publications.pdf>

Version: 2024-02-01

24  
papers

809  
citations

623734

14  
h-index

677142

22  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1423  
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron Nitride Nanoparticles for Enhanced Reductive Dechlorination of Trichloroethylene. <i>Environmental Science &amp; Technology</i> , 2022, 56, 4425-4436.	10.0	30
2	Silica-supported Fe/Fe <sup>3+</sup> O nanoparticles for the catalytic hydrogenation of nitriles to amines in the presence of aluminium additives. <i>Nature Catalysis</i> , 2022, 5, 20-29.	34.4	65
3	Sulfidated nano-scale zerovalent iron is able to effectively reduce in situ hexavalent chromium in a contaminated aquifer. <i>Journal of Hazardous Materials</i> , 2021, 405, 124665.	12.4	42
4	Crystal Structure- and Morphology-Driven Electrochemistry of Iron Oxide Nanoparticles in Hydrogen Peroxide Detection. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801549.	3.7	10
5	Thermally reduced fluorographenes as efficient electrode materials for supercapacitors. <i>Nanoscale</i> , 2019, 11, 21364-21375.	5.6	15
6	Carboxymethylcellulose-based magnetic Au or Ag nanosystems: Eminent candidates in catalysis, sensing applications based on SERS, and electrochemistry. <i>Applied Materials Today</i> , 2019, 14, 143-150.	4.3	13
7	Nanoarchitecture of advanced core-shell zero-valent iron particles with controlled reactivity for contaminant removal. <i>Chemical Engineering Journal</i> , 2018, 354, 335-345.	12.7	30
8	Pharmaceuticals, benzene, toluene and chlorobenzene removal from contaminated groundwater by combined UV/H <sub>2</sub> O <sub>2</sub> photo-oxidation and aeration. <i>Water Research</i> , 2017, 120, 245-255.	11.3	49
9	A simple high-yield synthesis of high-purity Hf carbide (Hf-Fe <sub>5</sub> C <sub>2</sub> ) nanoparticles with extraordinary electrochemical properties. <i>Nanoscale</i> , 2017, 9, 10440-10446.	5.6	20
10	Synthesis of flower-like magnetite nanoassembly: Application in the efficient reduction of nitroarenes. <i>Scientific Reports</i> , 2017, 7, 11585.	3.3	44
11	Iron oxalate decomposition process by means of Mössbauer spectroscopy and nuclear forward scattering. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	5
12	Zero-Valent Iron Nanoparticles with Unique Spherical 3D Architectures Encode Superior Efficiency in Copper Entrapment. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 2748-2753.	6.7	7
13	Magnetic ground state of nanosized Fe <sub>2</sub> O <sub>3</sub> and its remarkable electronic features. <i>RSC Advances</i> , 2015, 5, 49719-49727.	3.6	20
14	The effect of neodymium substitution on the structural and magnetic properties of nickel ferrite. <i>Progress in Natural Science: Materials International</i> , 2015, 25, 215-221.	4.4	36
15	Thermally-induced solid state transformation of Fe <sub>2</sub> O <sub>3</sub> nanoparticles in various atmospheres. <i>AIP Conference Proceedings</i> , 2014, , .	0.4	8
16	Core-shell hybrid nanomaterial based on prussian blue and surface active maghemite nanoparticles as stable electrocatalyst. <i>Biosensors and Bioelectronics</i> , 2014, 52, 159-165.	10.1	46
17	Iron(II,III)-Polyphenol Complex Nanoparticles Derived from Green Tea with Remarkable Ecotoxicological Impact. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1674-1680.	6.7	122
18	Magnetically Assisted Surface-Enhanced Raman Scattering Selective Determination of Dopamine in an Artificial Cerebrospinal Fluid and a Mouse Striatum Using Fe <sub>3</sub> O <sub>4</sub> /Ag Nanocomposite. <i>Analytical Chemistry</i> , 2014, 86, 2939-2946.	6.5	77

#	ARTICLE	IF	CITATIONS
19	Space weathering simulations through controlled growth of iron nanoparticles on olivine. Icarus, 2014, 237, 75-83.	2.5	38
20	Surfactant-Derived Amphiphilic Carbon Dots with Tunable Photoluminescence. Journal of Physical Chemistry C, 2013, 117, 24991-24996.	3.1	117
21	Mixtures of l-Amino Acids as Reaction Medium for Formation of Iron Nanoparticles: The Order of Addition into a Ferrous Salt Solution Matters. International Journal of Molecular Sciences, 2013, 14, 19452-19473.	4.1	9
22	Mössbauer study of transformation of Fe cations during thermal treatment of glauconite in air. AIP Conference Proceedings, 2012, , .	0.4	2
23	Laser-induced transformations of zero-valent iron particles. , 2012, , .		4
24	Thermally induced solid-state route toward magnetite nanoparticles with controlled stoichiometry. , 2012, , .		0