

Davide Baratella

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1175063/davide-baratella-publications-by-citations.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.

39
papers

860
citations

17
h-index

28
g-index

43
ext. papers

961
ext. citations

6.3
avg, IF

3.89
L-index

#	Paper	IF	Citations
39	Nanocrystalline Iron Oxides, Composites, and Related Materials as a Platform for Electrochemical, Magnetic, and Chemical Biosensors. <i>Chemistry of Materials</i> , 2014 , 26, 6653-6673	9.6	127
38	A glucose biosensor based on surface active maghemite nanoparticles. <i>Biosensors and Bioelectronics</i> , 2013 , 45, 13-8	11.8	60
37	Magnetic Nanoparticles with Covalently Bound Self-Assembled Protein Corona for Advanced Biomedical Applications. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 20320-20331	3.8	53
36	Electrochemical determination of hydrogen peroxide production by isolated mitochondria: A novel nanocomposite carbon/maghemite nanoparticle electrode. <i>Sensors and Actuators B: Chemical</i> , 2013 , 176, 315-322	8.5	47
35	Citrinin mycotoxin recognition and removal by naked magnetic nanoparticles. <i>Food Chemistry</i> , 2016 , 203, 505-512	8.5	44
34	Core-shell hybrid nanomaterial based on prussian blue and surface active maghemite nanoparticles as stable electrocatalyst. <i>Biosensors and Bioelectronics</i> , 2014 , 52, 159-65	11.8	42
33	Avidin functionalized maghemite nanoparticles and their application for recombinant human biotinyl-SERCA purification. <i>Langmuir</i> , 2012 , 28, 15392-401	4	42
32	A magnetically drivable nanovehicle for curcumin with antioxidant capacity and MRI relaxation properties. <i>Chemistry - A European Journal</i> , 2014 , 20, 11913-20	4.8	40
31	New Perspectives on Biomedical Applications of Iron Oxide Nanoparticles. <i>Current Medicinal Chemistry</i> , 2018 , 25, 540-555	4.3	37
30	Analysis of hard protein corona composition on selective iron oxide nanoparticles by MALDI-TOF mass spectrometry: identification and amplification of a hidden mastitis biomarker in milk proteome. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 2949-2959	4.4	35
29	Protein corona as a proteome fingerprint: The example of hidden biomarkers for cow mastitis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 140, 40-49	6	33
28	Covalently bound DNA on naked iron oxide nanoparticles: Intelligent colloidal nano-vector for cell transfection. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 2802-2810	4	32
27	Triggering Mechanism for DNA Electrical Conductivity: Reversible Electron Transfer between DNA and Iron Oxide Nanoparticles. <i>Advanced Functional Materials</i> , 2015 , 25, 1822-1831	15.6	30
26	Stealth Iron Oxide Nanoparticles for Organotropic Drug Targeting. <i>Biomacromolecules</i> , 2019 , 20, 1375-1384	13.4	21
25	The surface reactivity of iron oxide nanoparticles as a potential hazard for aquatic environments: A study on <i>Daphnia magna</i> adults and embryos. <i>Scientific Reports</i> , 2018 , 8, 13017	4.9	20
24	Magnetic purification of curcumin from <i>Curcuma longa</i> rhizome by novel naked maghemite nanoparticles. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 912-20	5.7	19
23	Ternary Hybrid [Fe ₂ O ₃ /Cr(VI)]/Amine Oxidase Nanostructure for Electrochemical Sensing: Application for Polyamine Detection in Tumor Tissue. <i>Chemistry - A European Journal</i> , 2016 , 22, 6846-52	4.8	18

22	Endogenous and food-derived polyamines: determination by electrochemical sensing. <i>Amino Acids</i> , 2018 , 50, 1187-1203	3.5	16
21	Colloidal Surface Active Maghemite Nanoparticles for Biologically Safe Cr(VI) Remediation: from Core-Shell Nanostructures to Pilot Plant Development. <i>Chemistry - A European Journal</i> , 2016 , 22, 14219-26	4.8	15
20	Self-assembly of chlorin-e6 on FeO nanoparticles: Application for larvicidal activity against <i>Aedes aegypti</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019 , 194, 21-31	6.7	14
19	Electrocatalytic Nanostructured Ferric Tannates: Characterization and Application of a Polyphenol Nanosensor. <i>ChemPhysChem</i> , 2016 , 17, 3196-3203	3.2	13
18	Enlightening mineral iron sensing in <i>Pseudomonas fluorescens</i> by surface active maghemite nanoparticles: Involvement of the OprF porin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016 , 1860, 2202-10	4	10
17	Enzyme self-assembly on naked iron oxide nanoparticles for aminoaldehyde biosensing. <i>Amino Acids</i> , 2019 , 51, 679-690	3.5	9
16	Sustainable production of high purity curcuminoids from <i>Curcuma longa</i> by magnetic nanoparticles: A case study in Brazil. <i>Journal of Cleaner Production</i> , 2017 , 154, 233-241	10.3	8
15	Antimicrobial and magnetically removable tannic acid nanocarrier: A processing aid for <i>Listeria monocytogenes</i> treatment for food industry applications. <i>Food Chemistry</i> , 2018 , 267, 430-436	8.5	8
14	Electrocatalytic nanostructured ferric tannate as platform for enzyme conjugation: Electrochemical determination of phenolic compounds. <i>Bioelectrochemistry</i> , 2020 , 132, 107418	5.6	8
13	Alkaline Water and Longevity: A Murine Study. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016 , 2016, 3084126	2.3	8
12	Biologically safe colloidal suspensions of naked iron oxide nanoparticles for in situ antibiotic suppression. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 181, 102-111	6	7
11	Enzyme Immobilization on Maghemite Nanoparticles with Improved Catalytic Activity: An Electrochemical Study for Xanthine. <i>Materials</i> , 2020 , 13,	3.5	6
10	Colloidal maghemite nanoparticles with oxyhydroxide-like interface and chiroptical properties. <i>Applied Surface Science</i> , 2020 , 534, 147567	6.7	6
9	Role of carboxylic group pattern on protein surface in the recognition of iron oxide nanoparticles: A key for protein corona formation. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 1715-1728	7.9	6
8	Biotechnological applications of nanostructured hybrids of polyamine carbon quantum dots and iron oxide nanoparticles. <i>Amino Acids</i> , 2020 , 52, 301-311	3.5	6
7	Electrostatically stabilized hybrids of carbon and maghemite nanoparticles: electrochemical study and application. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 11668-11677	3.6	5
6	Smart synthetic maghemite nanoparticles with unique surface properties encode binding specificity toward As. <i>Science of the Total Environment</i> , 2020 , 741, 140175	10.2	5
5	Versatile nano-platform for tailored immuno-magnetic carriers. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 7575-7589	4.4	4

4	H ₂ O ₂ Tolerance in <i>Pseudomonas Fluorescens</i> : Synergy between Pyoverdine-Iron(III) Complex and a Blue Extracellular Product Revealed by a Nanotechnology-Based Electrochemical Approach. <i>ChemElectroChem</i> , 2019 , 6, 5186-5190	4.3	3
3	Environmental implications of one-century COPRs evolution in a single industrial site: From leaching impact to sustainable remediation of Cr polluted groundwater. <i>Chemosphere</i> , 2021 , 283, 131211	8.4	2
2	DNA Conductivity: Triggering Mechanism for DNA Electrical Conductivity: Reversible Electron Transfer between DNA and Iron Oxide Nanoparticles (Adv. Funct. Mater. 12/2015). <i>Advanced Functional Materials</i> , 2015 , 25, 1821-1821	15.6	
1	H ₂ O ₂ Tolerance in <i>Pseudomonas Fluorescens</i> : Synergy between Pyoverdine-Iron(III) Complex and a Blue Extracellular Product Revealed by a Nanotechnology-Based Electrochemical Approach. <i>ChemElectroChem</i> , 2019 , 6, 5166-5166	4.3	