

# F Marc Michel

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

1,546  
citations

623734

14  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

2142  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Structure of Ferrihydrite, a Nanocrystalline Material. <i>Science</i> , 2007, 316, 1726-1729.	12.6	754
2	Ordered ferrimagnetic form of ferrihydrite reveals links among structure, composition, and magnetism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2787-2792.	7.1	312
3	Mechanism and Kinetics of Hydrogen Peroxide Decomposition on Platinum Nanocatalysts. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 21224-21234.	8.0	94
4	Properties of impurity-bearing ferrihydrite II: Insights into the surface structure and composition of pure, Al- and Si-bearing ferrihydrite from Zn(II) sorption experiments and Zn K-edge X-ray absorption spectroscopy. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 119, 46-60.	3.9	68
5	Characterization and Surface Reactivity of Ferrihydrite Nanoparticles Assembled in Ferritin. <i>Langmuir</i> , 2006, 22, 9313-9321.	3.5	53
6	Reactivity of ferritin and the structure of ferritin-derived ferrihydrite. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 871-885.	2.4	43
7	Nanocomposite structure of two-line ferrihydrite powder from total scattering. <i>Communications Chemistry</i> , 2020, 3, .	4.5	28
8	Effect of particle size on catalytic decomposition of hydrogen peroxide by platinum nanocatalysts. <i>Journal of Catalysis</i> , 2019, 373, 58-66.	6.2	25
9	Decomposition of Hydrogen Peroxide Catalyzed by AuPd Nanocatalysts during Methane Oxidation to Methanol. <i>ACS Catalysis</i> , 2020, 10, 5115-5123.	11.2	25
10	The origin of passivity in aluminum-manganese solid solutions. <i>Corrosion Science</i> , 2020, 173, 108749.	6.6	22
11	Comparison of isoelectric points of single-crystal and polycrystalline $\text{I}\pm\text{Al}_{2}\text{O}_{3}$ and $\text{I}\pm\text{Fe}_{2}\text{O}_{3}$ surfaces. <i>American Mineralogist</i> , 2016, 101, 2248-2259.	1.9	19
12	Impacts of Initial Ca/P on Amorphous Calcium Phosphate. <i>Crystal Growth and Design</i> , 2021, 21, 3736-3745.	3.0	19
13	3D printed mixed flow reactor for geochemical rate measurements. <i>Applied Geochemistry</i> , 2018, 89, 86-91.	3.0	16
14	Ultrahigh tribocorrosion resistance of metals enabled by nano-layering. <i>Acta Materialia</i> , 2021, 206, 116609.	7.9	15
15	Abundance and Speciation of Surface Oxygen on Nanosized Platinum Catalysts and Effect on Catalytic Activity. <i>ACS Applied Energy Materials</i> , 2018, 1, 3255-3266.	5.1	12
16	Kinetic Effect of Surface Chemisorbed Oxygen on Platinum-Catalyzed Hydrogen Peroxide Decomposition. <i>Catalysis Letters</i> , 2021, 151, 138-146.	2.6	12
17	Mechanism and Kinetics of Methane Oxidation to Methanol Catalyzed by AuPd Nanocatalysts at Low Temperature. <i>ACS Catalysis</i> , 2021, 11, 2837-2845.	11.2	12
18	Suitability of 3D-Printed devices for low-temperature geochemical experiments. <i>Applied Geochemistry</i> , 2018, 98, 121-126.	3.0	7

#	ARTICLE	IF	CITATIONS
19	Structure of single sheet iron oxides produced from surfactant interlayered green rusts. Applied Clay Science, 2019, 170, 86-96.	5.2	7
20	Quantitative measurement of corrosion at the nanoscale by in situ spectral modulation interferometry. Materials Characterization, 2022, 189, 111992.	4.4	3