

# Anne-Claire Gaillot

## List of Publications by Year in descending order

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22  
papers

1,393  
citations

430874

18  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

2038  
citing authors

#	ARTICLE	IF	CITATIONS
1	In Vivo Formation of HgSe Nanoparticles and Hg <sup>2+</sup> Tetrathiolate Complex from Methylmercury in Seabirds <sup>®</sup> Implications for the Hg <sup>2+</sup> Se Antagonism. <i>Environmental Science &amp; Technology</i> , 2021, 55, 1515-1526.	10.0	75
2	POLYMORPH AND POLYTYPE IDENTIFICATION FROM INDIVIDUAL MICA PARTICLES USING SELECTED AREA ELECTRON DIFFRACTION. <i>Clays and Clay Minerals</i> , 2020, 68, 334-346.	1.3	2
3	Pairing Cross-Linked Polyviologen with Aromatic Amine Host Structure for Anion Shuttle Rechargeable Batteries. <i>ChemSusChem</i> , 2020, 13, 2345-2353.	6.8	13
4	Raising the redox potential in carboxyphenolate-based positive organic materials via cation substitution. <i>Nature Communications</i> , 2018, 9, 4401.	12.8	101
5	Formation of Mercury Sulfide from Hg(II) <sup>2+</sup> Thiolate Complexes in Natural Organic Matter. <i>Environmental Science &amp; Technology</i> , 2015, 49, 9787-9796.	10.0	111
6	Electron Energy-Loss Safe-Dose Limits for Manganese Valence Measurements in Environmentally Relevant Manganese Oxides. <i>Environmental Science &amp; Technology</i> , 2012, 46, 970-976.	10.0	20
7	Zn sorption modifies dynamically the layer and interlayer structure of vernadite. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 85, 302-313.	3.9	110
8	<sup>29</sup> Si solid state NMR investigation of pozzolanic reaction occurring in lime-treated Ca-bentonite. <i>Cement and Concrete Research</i> , 2012, 42, 626-632.	11.0	60
9	CMC as a binder in LiNi <sub>0.4</sub> Mn <sub>1.6</sub> O <sub>4</sub> 5V cathodes and their electrochemical performance for Li-ion batteries. <i>Electrochimica Acta</i> , 2012, 62, 77-83.	5.2	96
10	Polytype and polymorph identification of finely divided aluminous dioctahedral mica individual crystals with SAED. Kinematical and dynamical electron diffraction. <i>Physics and Chemistry of Minerals</i> , 2011, 38, 435-448.	0.8	2
11	Determination of manganese valence states in (Mn <sup>3+</sup> , Mn <sup>4+</sup> ) minerals by electron energy-loss spectroscopy. <i>American Mineralogist</i> , 2010, 95, 1741-1746.	1.9	52
12	Lowering interfacial chemical reactivity of oxide materials for lithium batteries. A molecular grafting approach. <i>Journal of Materials Chemistry</i> , 2009, 19, 4771.	6.7	25
13	Birnessite polytype systematics and identification by powder X-ray diffraction. <i>American Mineralogist</i> , 2007, 92, 771-788.	1.9	114
14	Structure of the synthetic K-rich phyllosilicate birnessite obtained by high-temperature decomposition of KMnO <sub>4</sub> . <i>Microporous and Mesoporous Materials</i> , 2007, 98, 267-282.	4.4	72
15	Structure of the {001} talc surface as seen by atomic force microscopy: comparison with X-ray and electron diffraction results. <i>European Journal of Mineralogy</i> , 2006, 18, 483-491.	1.3	16
16	Observation of size dependent liquidus depression in the growth of InAs nanowires. <i>Journal of Crystal Growth</i> , 2006, 296, 159-164.	1.5	28
17	Si-assisted growth of InAs nanowires. <i>Applied Physics Letters</i> , 2006, 89, 223125.	3.3	34
18	Structure of Birnessite Obtained from Decomposition of Permanganate under Soft Hydrothermal Conditions. 1. Chemical and Structural Evolution as a Function of Temperature. <i>Chemistry of Materials</i> , 2005, 17, 2959-2975.	6.7	89

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19	Structure of Synthetic K-Rich Birnessites Obtained by High-Temperature Decomposition of $\text{KMnO}_4$ . 2. Phase and Structural Heterogeneities. <i>Chemistry of Materials</i> , 2004, 16, 1890-1905.	6.7	53
20	Structure of Synthetic K-rich Birnessite Obtained by High-Temperature Decomposition of $\text{KMnO}_4$ . I. Two-Layer Polytype from 800 $^\circ\text{C}$ Experiment. <i>Chemistry of Materials</i> , 2003, 15, 4666-4678.	6.7	169
21	Structure of heavy-metal sorbed birnessite: Part 1. Results from X-ray diffraction. <i>American Mineralogist</i> , 2002, 87, 1631-1645.	1.9	115
22	Organic nanocrystals grown in sol-gel coatings. <i>Journal of Materials Chemistry</i> , 2000, 10, 2723-2726.	6.7	36