

# Antoine Gehin

## List of Publications by Year in descending order

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12  
papers

1,024  
citations

840776

11  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

942  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Iron(II,III) Hydroxycarbonate Green Rust Formation and Stabilization from Lepidocrocite Bioreduction. Environmental Science & Technology, 2002, 36, 16-20.  | 10.0 | 174       |
| 2  | Redox potential measurements and Mössbauer spectrometry of FeII adsorbed onto FeIII (oxyhydr)oxides. Geochimica Et Cosmochimica Acta, 2005, 69, 4801-4815.  | 3.9  | 135       |
| 3  | Coprecipitation of Fe(II-III) hydroxycarbonate green rust stabilised by phosphate adsorption. Solid State Sciences, 2004, 6, 117-124.   | 3.2  | 114       |
| 4  | Synthesis of Fe(II-III) hydroxysulphate green rust by coprecipitation. Solid State Sciences, 2002, 4, 61-66.  | 3.2  | 98        |
| 5  | Coprecipitation of Fe(II) and Fe(III) cations in sulphated aqueous medium and formation of hydroxysulphate green rust. Solid State Sciences, 2003, 5, 1055-1062.  | 3.2  | 92        |
| 6  | Fougerite and FeII-III hydroxycarbonate green rust; ordering, deprotonation and/or cation substitution; structure of hydrotalcite-like compounds and mythic ferrosic hydroxide. Solid State Sciences, 2005, 7, 545-572. | 3.2  | 91        |
| 7  | Synthesis of green rusts by oxidation of Fe(OH)2, their products of oxidation and reduction of ferric oxyhydroxides; pH Pourbaix diagrams. Comptes Rendus - Geoscience, 2006, 338, 433-446.                             | 1.2  | 90        |
| 8  | Green rusts synthesis by coprecipitation of FeII-III ions and mass-balance diagram. Comptes Rendus - Geoscience, 2006, 338, 420-432.  | 1.2  | 78        |
| 9  | In Situ Redox Flexibility of FeII-III Oxyhydroxycarbonate Green Rust and Fougerite. Environmental Science & Technology, 2006, 40, 4696-4702.  | 10.0 | 65        |
| 10 | Nanocomposite Pyrite-Greigite Reactivity toward Se(IV)/Se(VI). Environmental Science & Technology, 2012, 46, 4869-4876.   | 10.0 | 62        |
| 11 | Redox reaction of aqueous selenite with As-rich pyrite from Jiguanshan ore mine (China): Reaction products and pathway. Applied Geochemistry, 2014, 47, 130-140.  | 3.0  | 18        |
| 12 | Method development for evaluating the redox state of Callovo-Oxfordian clayrock and synthetic montmorillonite for nuclear waste management. Applied Geochemistry, 2014, 49, 184-191.                                    | 3.0  | 7         |