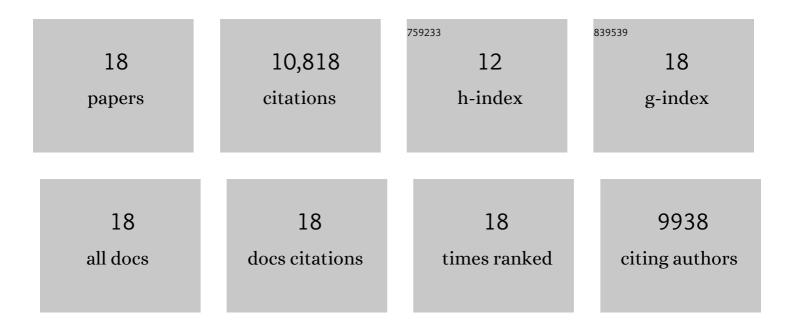
## Sebastien Villaume

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The ERA5 global reanalysis: Preliminary extension to 1950. Quarterly Journal of the Royal Meteorological Society, 2021, 147, 4186-4227.	2.7	189
2	The ERA5 global reanalysis. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 1999-2049.	2.7	10,272
3	Noradrenaline and a Thiol Analogue on Gold Surfaces: An Infrared Reflectionâ~'Absorption Spectroscopy, X-ray Photoelectron Spectroscopy, and Near-Edge X-ray Absorption Fine Structure Spectroscopy Study. Journal of Physical Chemistry C, 2011, 115, 165-175.	3.1	15
4	On the Importance of Clar Structures of Polybenzenoid Hydrocarbons as Revealed by the Ï€-Contribution to the Electron Localization Function. Symmetry, 2010, 2, 1653-1682.	2.2	41
5	Linear complex polarization propagator in a four-component Kohn–Sham framework. Journal of Chemical Physics, 2010, 133, 064105.	3.0	33
6	Near sulfur L-edge X-ray absorption spectra of methanethiol in isolation and adsorbed on a Au(111) surface: a theoretical study using the four-component static exchange approximation. Physical Chemistry Chemical Physics, 2010, 12, 5596.	2.8	16
7	On circular dichroism and the separation between chromophore and chiral center: The near carbon Kâ€edge Xâ€ray absorption and circular dichroism spectra of noradrenaline and <scp>L</scp> â€DOPA. Chirality, 2009, 21, E13-9.	2.6	17
8	Aromaticity Changes along the Lowest-Triplet-State Path for Câ•€ Bond Rotation of Annulenyl-Substituted Olefins Probed by the Electron Localization Function. Journal of Physical Chemistry A, 2009, 113, 12304-12310.	2.5	22
9	Tripletâ€State Aromaticity of 4 <i>n</i> ï€â€Electron Monocycles: Analysis of Bifurcation in the ï€ Contribution to the Electron Localization Function. ChemPhysChem, 2008, 9, 257-264.	2.1	59
10	Photoinduced bond cleavage in CH3ReO3: excited state dynamics. New Journal of Chemistry, 2008, 32, 1904.	2.8	6
11	Theoretical study of the electronic structure of MCH2+(M=Fe,Co,Ni). Journal of Chemical Physics, 2007, 126, 154318.	3.0	10
12	A coupled cluster study of the electronic spectroscopy and photochemistry of Cr(CO)6. Physical Chemistry Chemical Physics, 2007, 9, 6115.	2.8	46
13	Structure, Spectra, and Rearrangement Mechanism of PH2F3:  Revisiting a Classic Problem in Structural Inorganic Chemistry. Journal of Physical Chemistry A, 2007, 111, 2220-2228.	2.5	3
14	Photoactivity and UV Absorption Spectroscopy of RCo(CO)4 (R = H, CH3) Organometallic Complexes. Journal of Physical Chemistry A, 2007, 111, 4737-4742.	2.5	11
15	A multi state-CASPT2 vs. TD-DFT study of the electronic excited states of RCo(CO)4 (R=H, CH3) organometallic complexes. Chemical Physics Letters, 2006, 417, 545-549.	2.6	10
16	The electronic spectroscopy of transition metal carbonyls: The tough case of Cr(CO)6. Chemical Physics Letters, 2006, 421, 378-382.	2.6	38
17	Emission spectroscopy of metal-to-ligand-charge-transfer states of HRe(CO)3(H-dab), model system for α-diimine rhenium tricarbonyl complexes. Comptes Rendus Chimie, 2005, 8, 1453-1460.	0.5	3
18	Quantum chemical study of the electronic structure of NiCH2+ in its ground state and low-lying electronic excited states, Journal of Chemical Physics, 2005, 122, 044313	3.0	27