

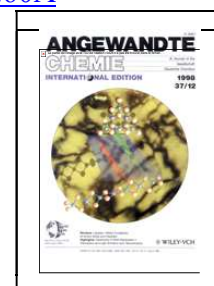
## Jean-Christophe P. Gabriel, Publication and patent list

Citations Analysis from Google Scholar (as of 21/08/2021) :

	All	Since 2016
Citations	9237	2479
indice h	42	26
indice i10	85	57

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+ 2 publications in « Clefs CEA » in 2010 (composants carbonés) and 2011 (Chimie pour l'électronique).

+ 1 publication dans *The Conversation* 04/2020. + Participation to documentary « [Bienvenue dans le Nanomonde](#) » first aired on [TV5](#) en 2010.

+ Participation to clip making « [Nanoworld](#) », CEA/DSM.

+ Participation to National Geographic documentary “[Green Heroes](#)” 06/2019

+ Participation to Channel News Asia documentary “[Climate for Change: Closing the loop](#)” 07/2021.

### List of patents granted (international extensions applications not listed)

(Nanomix Inc. and CEA)

	Numéro.	Titre
1	US6672077	<a href="#">Hydrogen storage in nanostructure with physisorption</a>
2	US6748748	<a href="#">Hydrogen storage and supply system</a>
3	US6834508	<a href="#">Hydrogen storage and supply system</a>
4	US6894359	<a href="#">Sensitivity control for nanotube sensors</a>
5	US6905655	<a href="#">Modification of selectivity for sensing for nanostructure device arrays</a>
6	US6991773	<a href="#">Boron-oxide and related compounds for hydrogen storage</a>
7	US7036324	<a href="#">Hydrogen storage and supply system</a>
8	US7312095	<a href="#">Modification of selectivity for sensing for nanostructure sensing device arrays</a>
9	US7449757	<a href="#">Nanostructures with electrodeposited nanoparticles</a>
10	US7479240	<a href="#">Boron oxide and related compounds for hydrogen storage</a>
11	US7522040	<a href="#">Remotely communicating, battery-powered nanostructure sensor devices</a>

12	US7575933	<a href="#">Modification of selectivity for sensing for nanostructure device arrays</a>
13	US7714398	<a href="#">Nanoelectronic measurement system for physiologic gases and improved nanosensor for carbon dioxide</a>
14	US7956525	<a href="#">Flexible nanostructure electronic devices</a>
15	US7948041	<a href="#">Sensor Having A Thin-Film Inhibition Layer</a>
16	US7956525	<a href="#">Flexible nanostructure electronic devices</a>
17	US8154093	<a href="#">Nano-electronic sensors for chemical and biological analytes, including capacitance and bio-membrane devices</a>
18	US8152991	<a href="#">Ammonia nanosensors, and environmental control system</a>
19	FR2950332 / US8656584	<a href="#">Method of fabricating an electromechanical component using graphene</a>  <a href="#">/ Réalisation d'un composant électromécanique pour un micro- ou nano-système doté d'un barreau formant un axe de rotation du composant et recouvert de graphène</a>
20	US8456074	<a href="#">Flexible nanostructure electronic devices</a>
21	US8754454	<a href="#">Sensor having a thin-film inhibition layer</a>
22	US8900517	<a href="#">Modification of selectivity for sensing for nanostructure sensing device arrays</a>
23	US9070702	<a href="#">Method for obtaining three-dimensional actin structures and uses thereof</a>
24	US9103775	<a href="#">Nano-electronic sensors for chemical and biological analytes, including capacitance and bio-membrane devices</a>
25	US9291613	<a href="#">Sensor having a thin-film inhibition layer</a>

**List of applications (Status: pending and abandoned)**

	Applications # & status	Titre
1	EP17198247.3A/ EP3701243A1 (Pending)	<a href="#">Appareil de mesure des coefficients d'activité chimique d'espèces en phase gazeuse en équilibre thermodynamique avec la phase liquide</a>



5	US20030134433 (Abandoned)	<a href="#">Electronic sensing of chemical and biological agents using functionalized nanostructures</a>
6	US20050129573 (Abandoned)	<a href="#">Carbon dioxide nanoelectronic sensor</a>
7	US20050279987 (Abandoned)	<a href="#">Nanostructure sensor device with polymer recognition layer</a>
8	US20060228723 / US20100047901 (Abandoned)	<a href="#">System and method for electronic sensing of biomolecules</a>
9	US20060263255 (Abandoned)	<a href="#">Nanoelectronic sensor system and hydrogen-sensitive functionalization</a>
10	US20070045756 (Abandoned)	<a href="#">Nanoelectronic sensor with integral suspended micro-heater</a>
11	US20070048180 (Abandoned)	<a href="#">Nanoelectronic breath analyzer and asthma monitor</a>
12	US20070048181 (Abandoned)	<a href="#">Carbon dioxide nanosensor, and respiratory CO2 monitors</a>
13	US20070092437 (Abandoned)	<a href="#">Increasing hydrogen adsorption of nanostructured storage materials by modifying sp<sup>2</sup> covalent bonds</a>
14	US20070114573 / US20090165533 (Abandoned)	<a href="#">Sensor device with heated nanostructure</a>
15	US20070140946 (Abandoned)	<a href="#">Dispersed growth of nanotubes on a substrate</a>
16	US20070178477 (Abandoned)	<a href="#">Nanotube sensor devices for DNA detection</a>
17	US20070208243 (Abandoned)	<a href="#">Nanoelectronic glucose sensors</a>
18	US20080021339 / US20100085067 (Abandoned)	<a href="#">Anesthesia monitor, capacitance nanosensors and dynamic sensor sampling method</a>
19	US20100323925 (Abandoned)	<a href="#">Nanosensor array for electronic olfaction</a>

<b>20</b>	US20130075690 / US20160123947 (Abandoned)	<a href="#"><u>Ammonia Nanosensors, and Environmental Control System</u></a>
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