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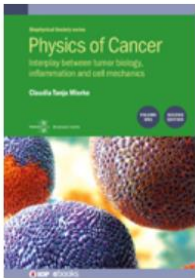
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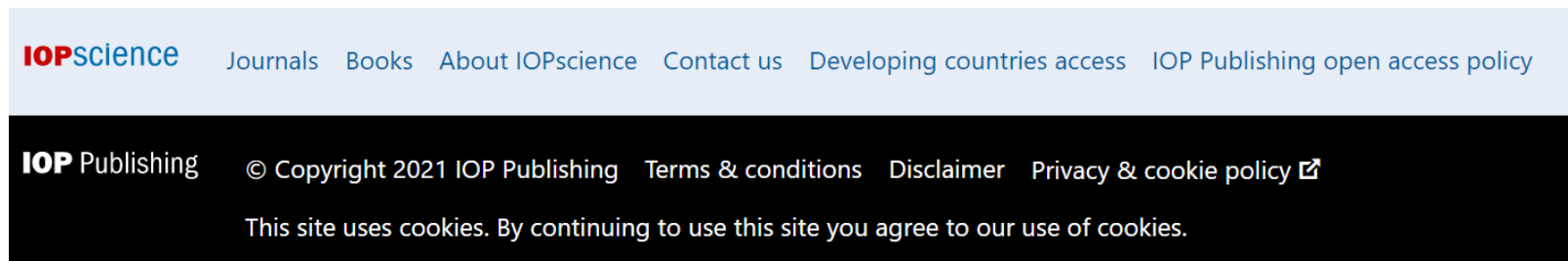
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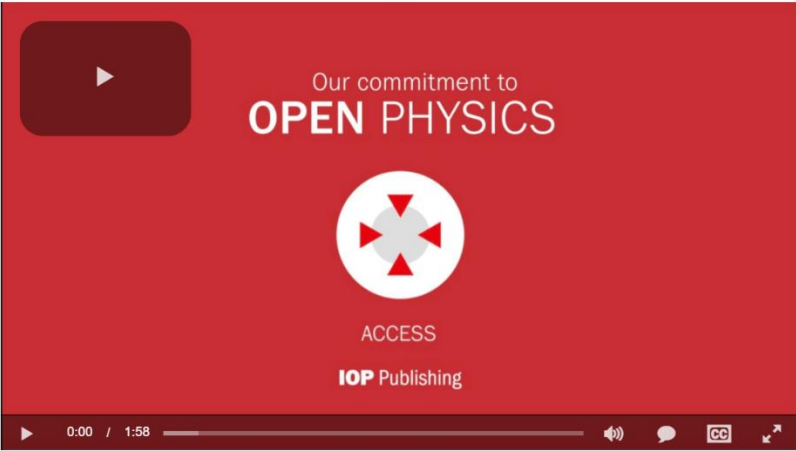
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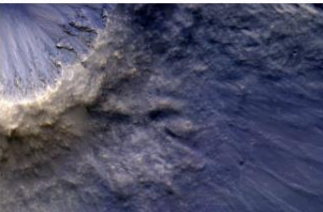
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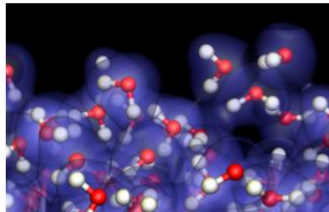
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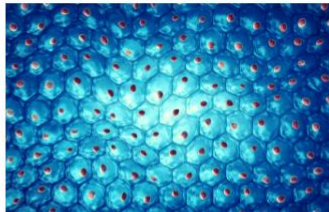
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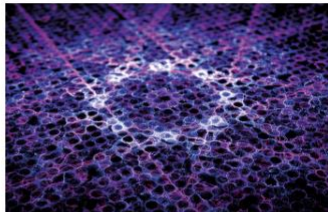
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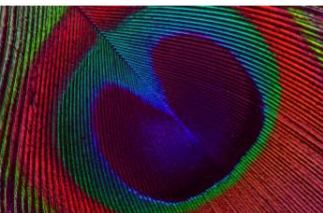
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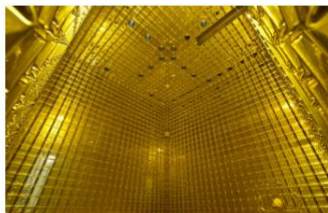
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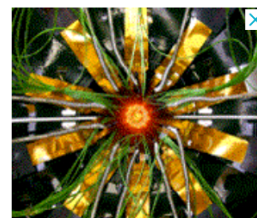
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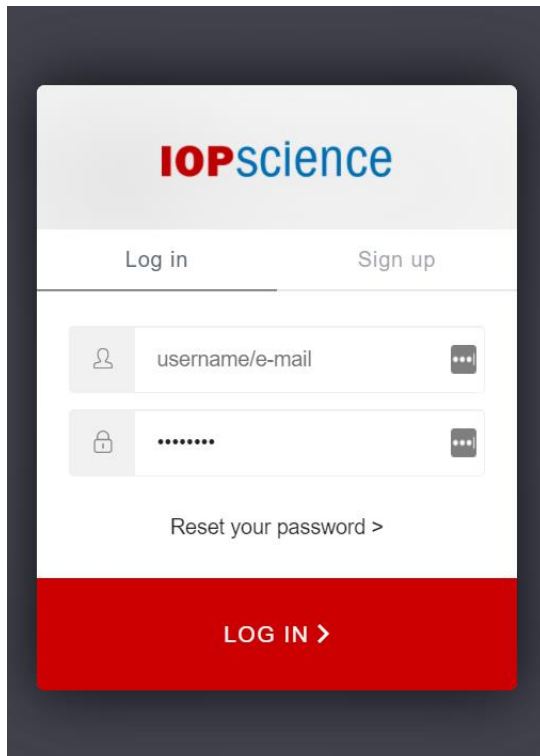
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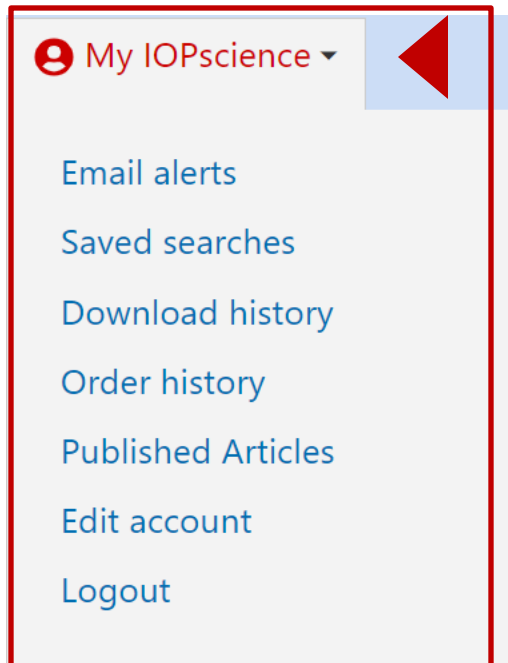
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
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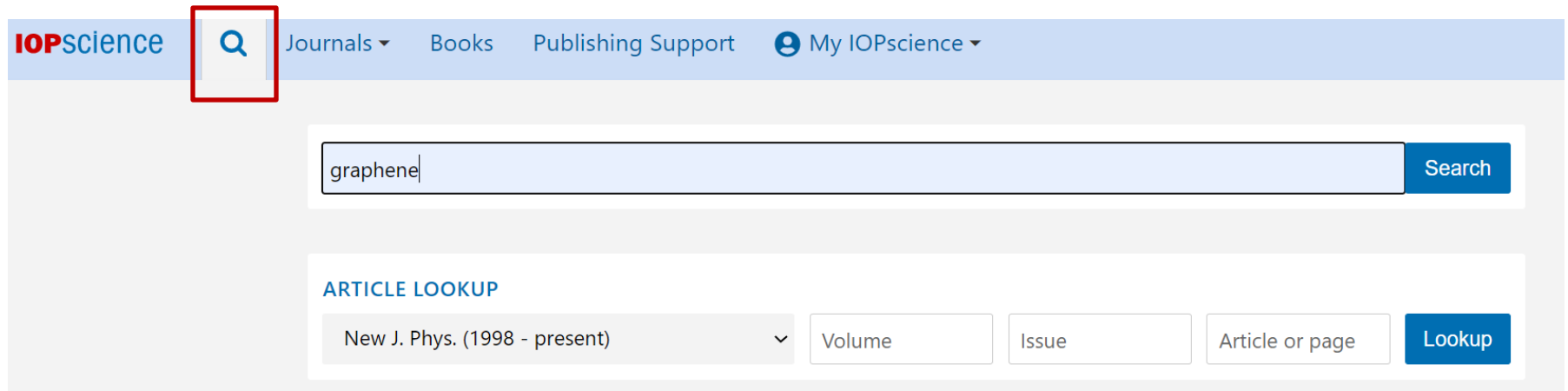
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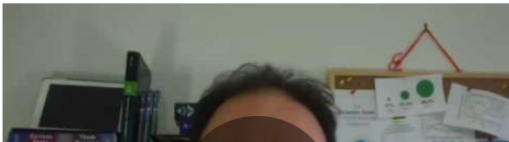
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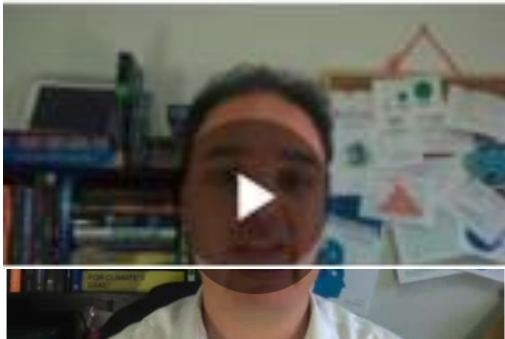
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We analyze the evolution of the scientific consensus on anthropogenic global warming (AGW) in the peer-reviewed scientific literature, examining 11 944 climate abstracts from 1991–2011 matching the topics 'global climate change' or 'global warming'. We find that 66.4% of abstracts expressed no position on AGW, 32.6%

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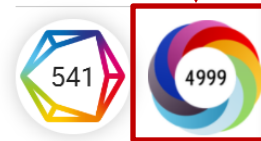


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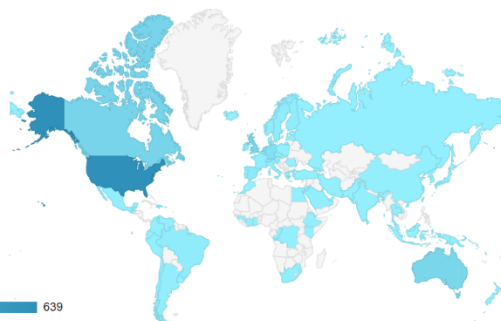
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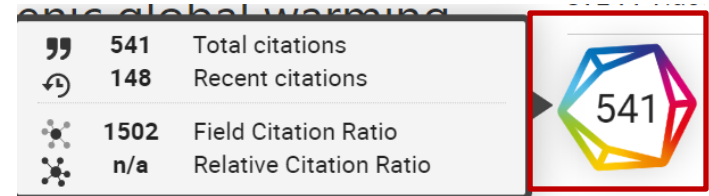


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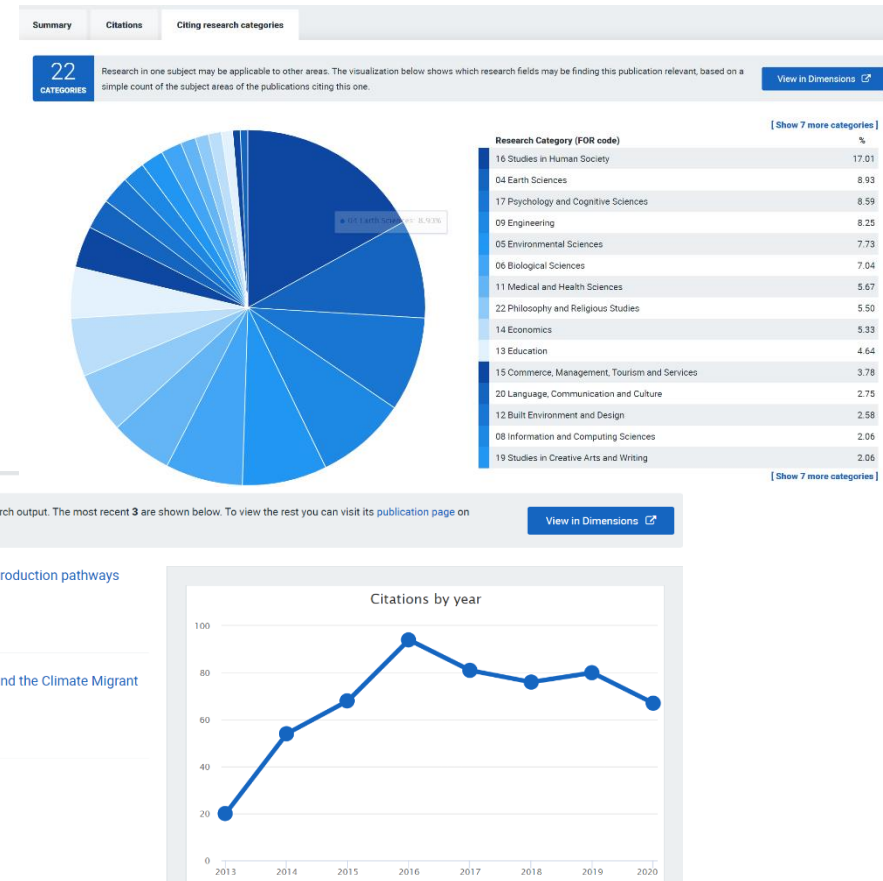
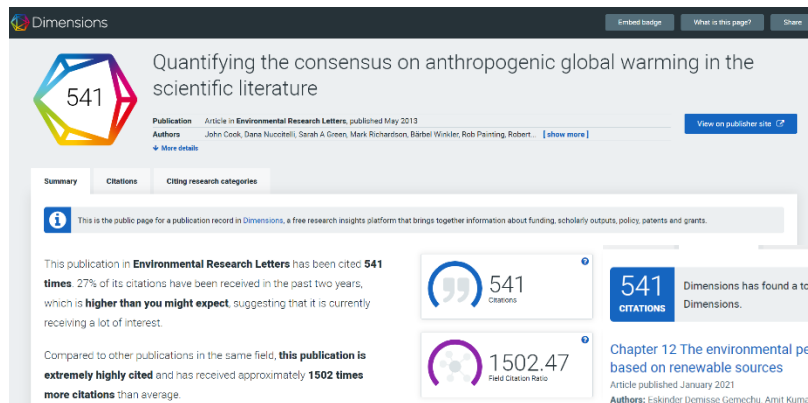
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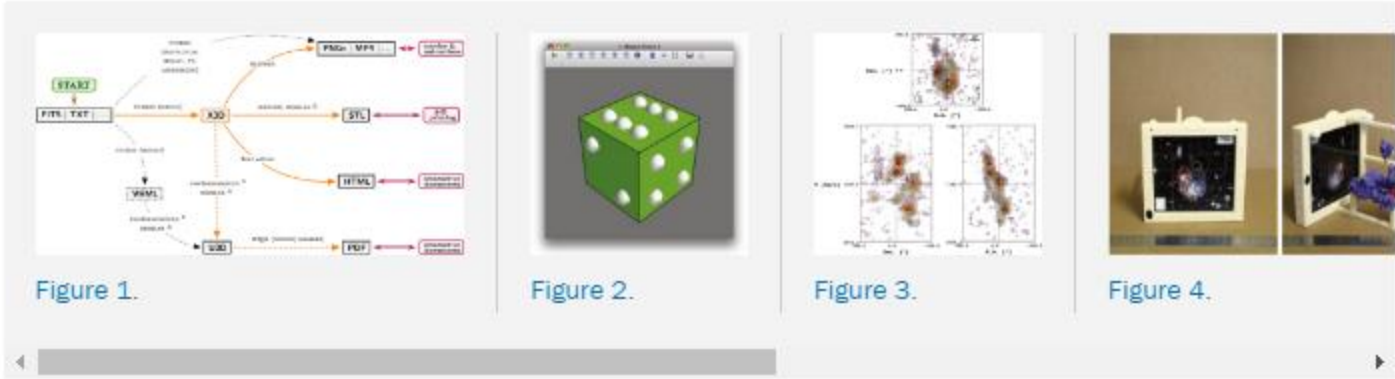


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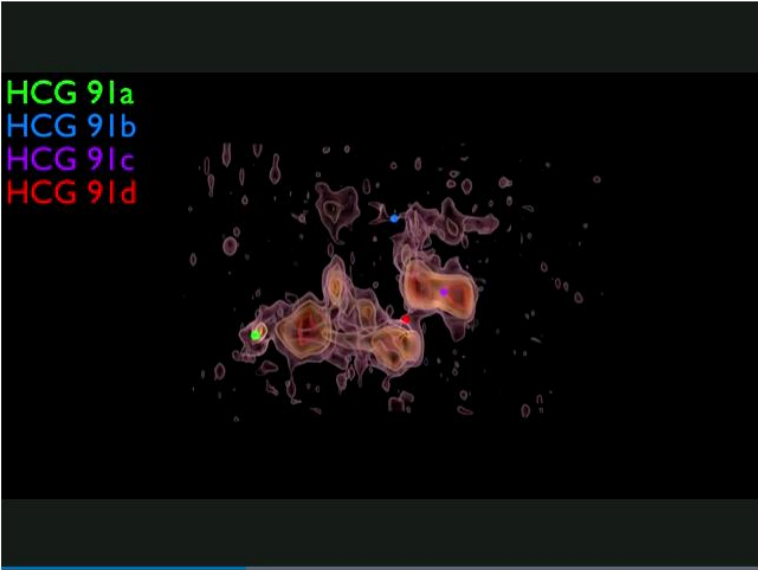


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Final BLENDER rendered view of the H I iso-intensity contours in HCG 91 observed by the VLA (first exported to X3D using MAYAVI) generated using the PYTHON script provided as supplementary material to this article. An [animation](#) of this figure is available.

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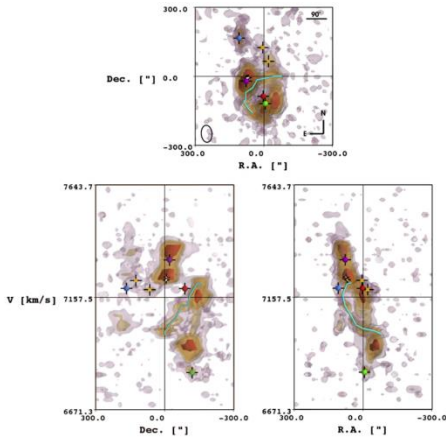


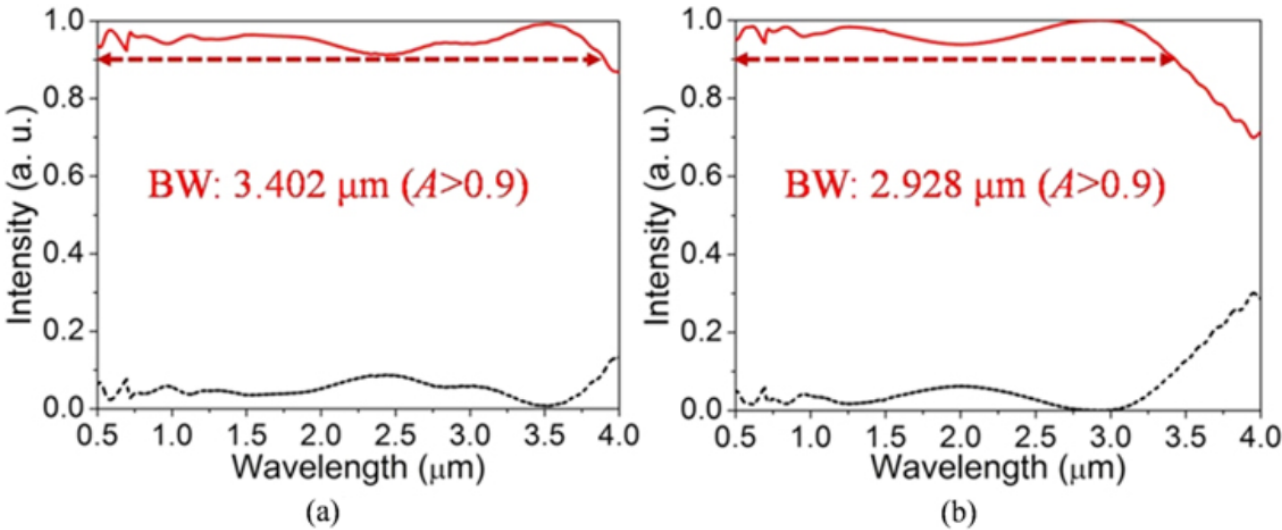
Figure 3. H I gas distribution and kinematics of the compact group of galaxies HCG 91 observed by the VLA. Individual intensity iso-contours at 1.3, 2.5, 3.5, and 6.0 mJy/beam are fitted in 3D inside the database before being projected along top-front-side projections. The innermost contour is fully opaque, while the others are set at 80% transparency to enable a *see-through* effect. The galaxies HCG 91a, b, c, and d are marked with green, blue, purple, and red spheres, respectively. A large tidal tail originating to the southeast of HCG 91a is traced inside the 3D cube with a cyan line, and other elements of interest are marked with white and yellow cubes (see Vogt et al. 2015 for details). In the top panel, the black ellipse traces the beam size and orientation associated with the VLA data. An interactive version of this figure is accessible online as an interactive HTML document.

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$$H_0 = \sum_{\lambda,i} E_i^\lambda a_{\lambda,i}^\dagger a_{\lambda,i} + \sum_Q \hbar \omega_Q \left(B_Q^\dagger B_Q + \frac{1}{2} \right) \quad (1)$$

as the non-interacting parts of the carrier–photon system, where $a_{\lambda,i}^\dagger$ and $a_{\lambda,i}$ are the creation and annihilation operators for electronic states, respectively. The corresponding operators for the photon, with a general mode index Q and energy $\hbar \omega_Q$, are B_Q^\dagger and B_Q . The carrier–carrier interaction is given by the Coulomb term

$$H_C = \sum_{\lambda,\lambda'} \sum_{i,j,k,l} V_{i,j;k,l}^{\lambda,\lambda'} a_{\lambda,i}^\dagger a_{\lambda',j}^\dagger a_{\lambda',k} a_{\lambda,l} \quad (2)$$

and the light–matter interaction is given by the dipole Hamiltonian

$$H_D = - \sum_{\lambda} \sum_{Q,i,j} [F_{\lambda;i,j}^Q B_Q + (F_{\lambda;j,i}^Q)^* B_Q^\dagger] a_{\lambda,i}^\dagger a_{\lambda,j}. \quad (3)$$

The interaction-matrix elements in these are

$$V_{i,j;k,l}^{\lambda,\lambda'} = \frac{e^2}{4\pi\epsilon} \int d^3r d^3r' \frac{\xi_{\lambda,i}^*(\mathbf{r}) \xi_{\lambda',j}^*(\mathbf{r}') \xi_{\lambda',k}(\mathbf{r}') \xi_{\lambda,l}(\mathbf{r})}{|\mathbf{r} - \mathbf{r}'|}, \quad (4)$$

$$F_{\lambda;i,j}^Q = i\epsilon_Q d_{i,j}^{\lambda,\tilde{\lambda}} \cdot \int d^3r \xi_{\lambda,i}^*(\mathbf{r}) u_Q(\mathbf{r}) \xi_{\tilde{\lambda},j}(\mathbf{r}), \quad (5)$$

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Quantifying the consensus on anthropogenic global warming in the scientific literature

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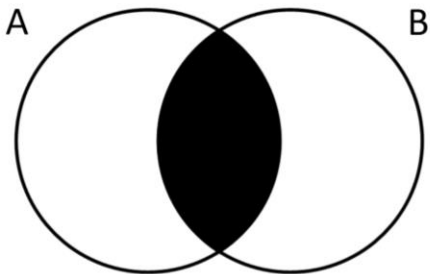
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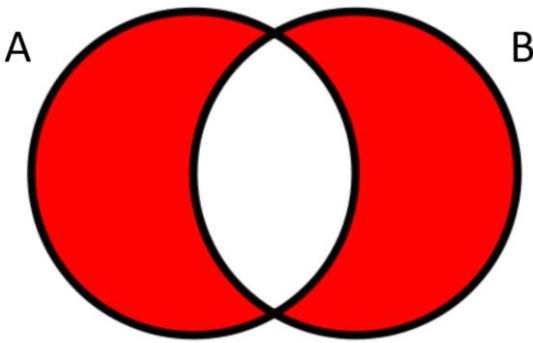
“AND”, “+” ó “&”

- El resultado va a incluir todos los términos



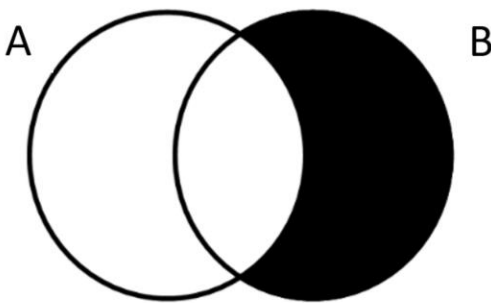
“XOR”

- Uno u otro, pero no los dos a la vez



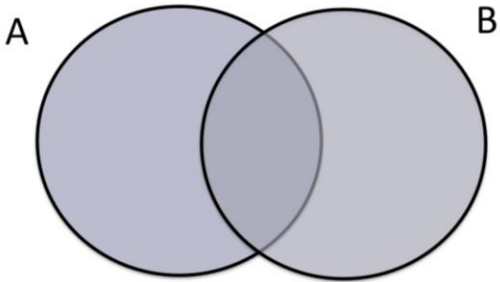
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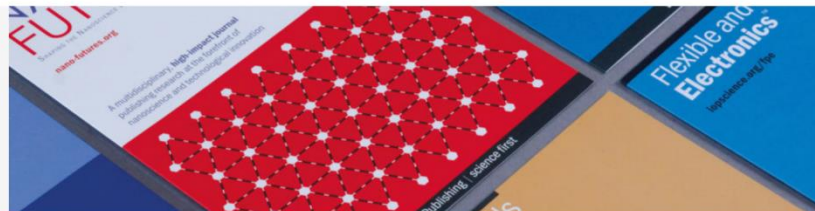
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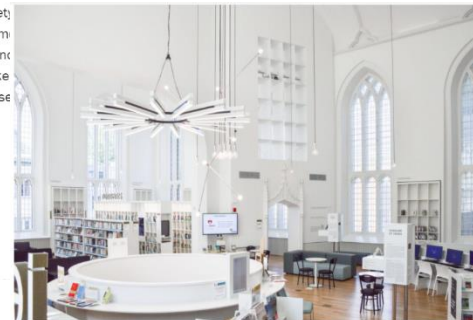
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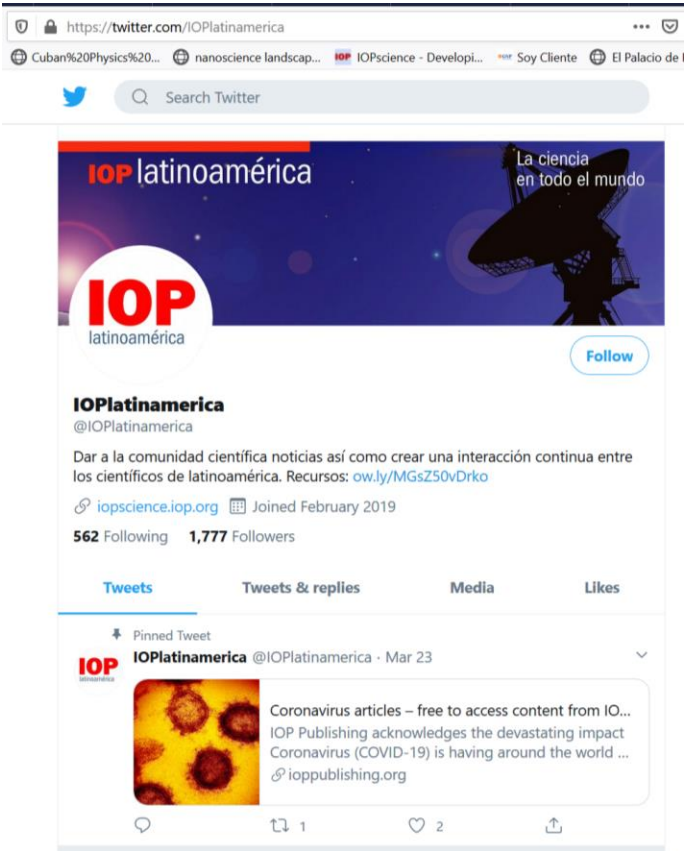
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