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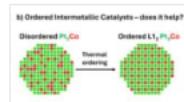


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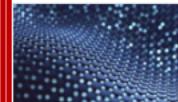


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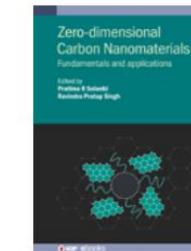
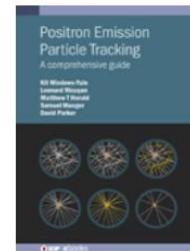
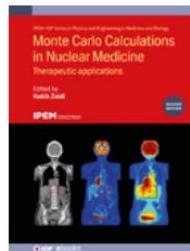
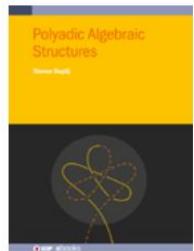
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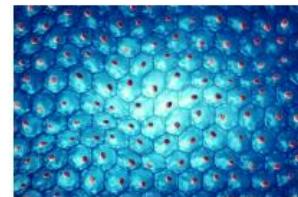
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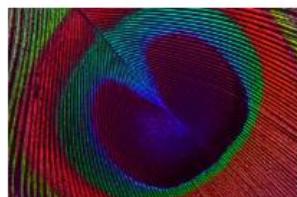
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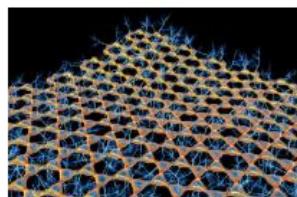
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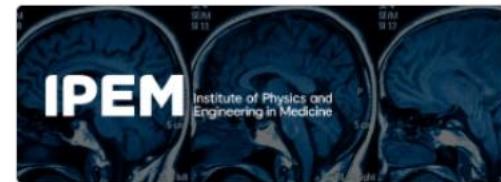
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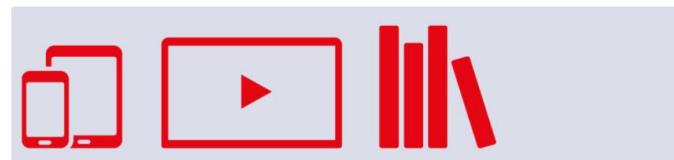
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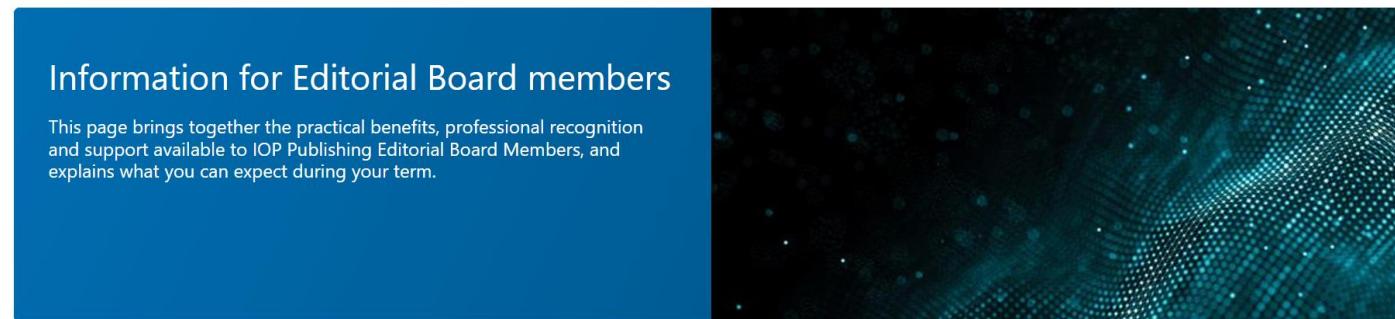
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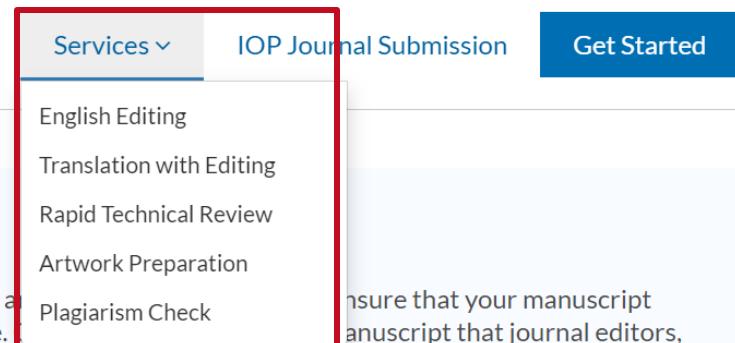


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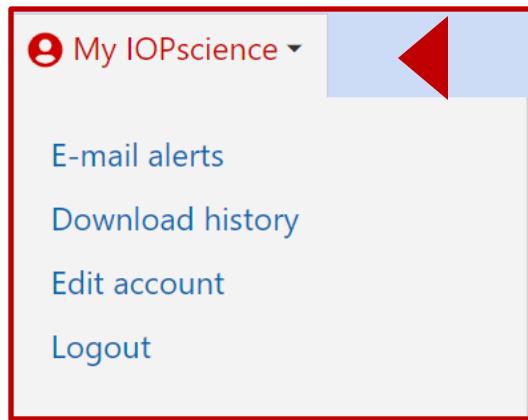
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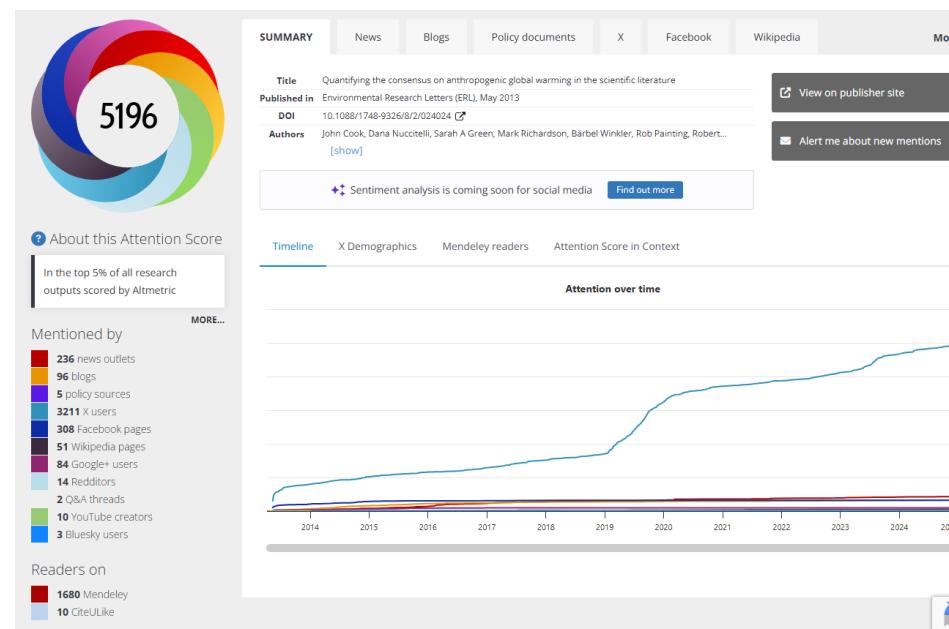
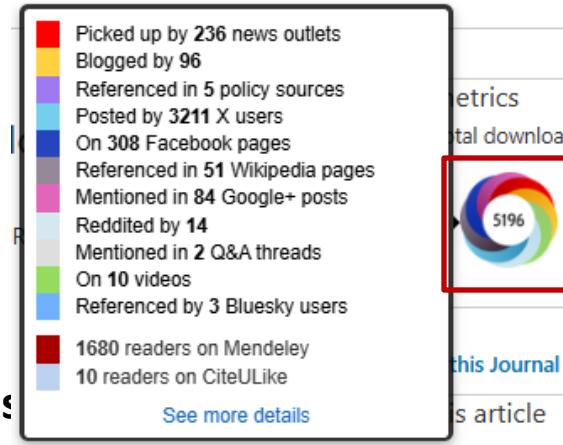
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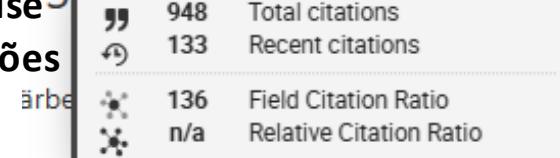
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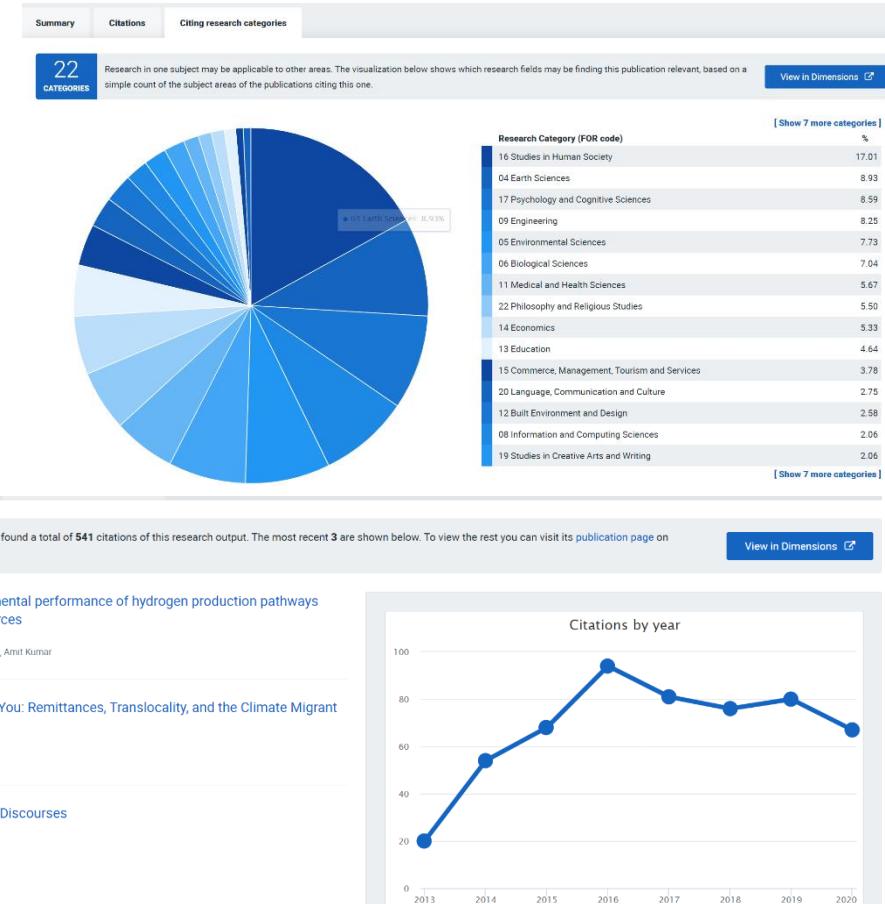
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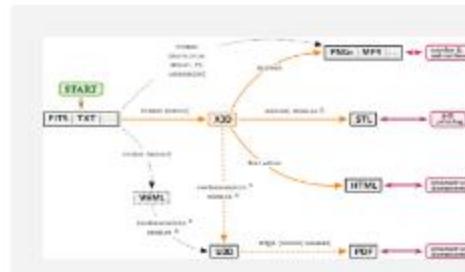


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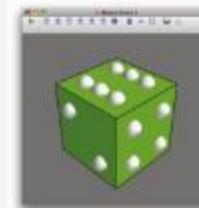


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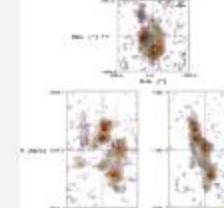


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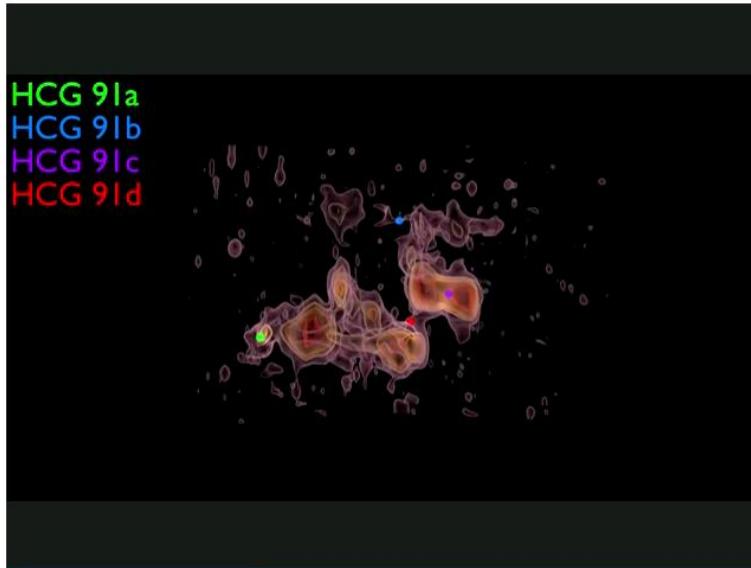


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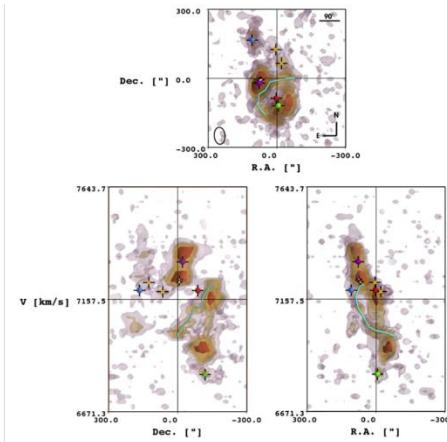


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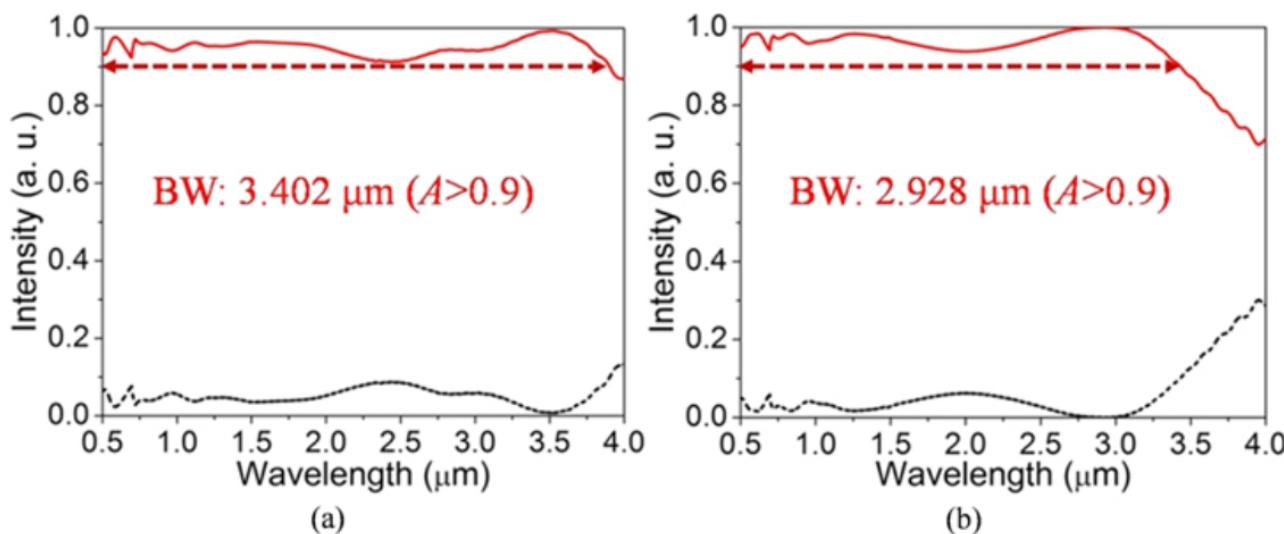
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$$H_0 = \sum_{\lambda,i} E_i^\lambda a_{\lambda,i}^\dagger a_{\lambda,i} + \sum_Q \hbar\omega_Q \left(B_Q^\dagger B_Q + \frac{1}{2} \right) \quad (1)$$

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

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

$$F_{\lambda;i,j}^Q = i\mathcal{E}_Q \mathbf{d}_{i,j}^{\lambda,\bar{\lambda}} \cdot \int d^3r \xi_{\lambda,i}^*(\mathbf{r}) \mathbf{u}_Q(\mathbf{r}) \xi_{\bar{\lambda},j}(\mathbf{r}), \quad (5)$$

Fórmulas em MathJax

Permite visualizar as equações matemáticas corretamente em qualquer navegador sem que sejam desconfiguradas.

Home page com todos os dados importantes do artigo. Página 1.

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Quantifying the consensus on anthropogenic global warming in the scientific literature

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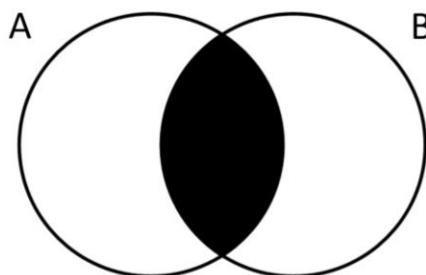
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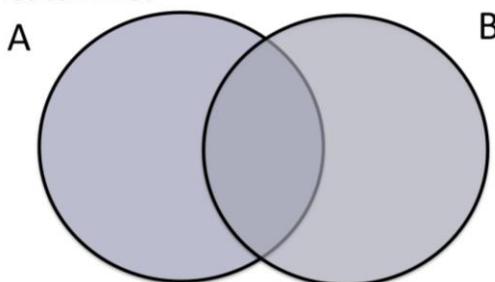
"AND", "+" ó "&"

- El resultado va a incluir todos los términos



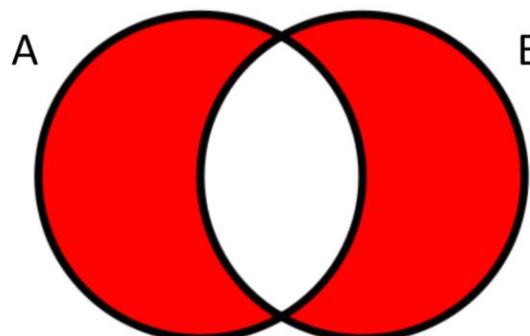
"

- El resultado va a incluir de menos alguno de los términos



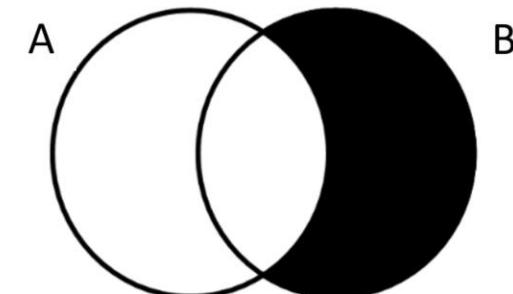
"XOR"

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



"NOT", "-"

- El resultado va a incluir solo el primero



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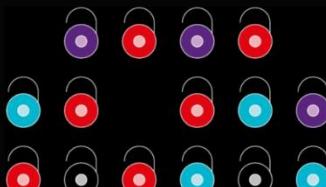
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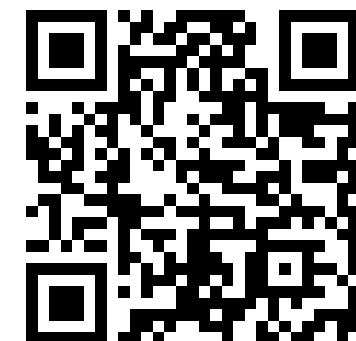
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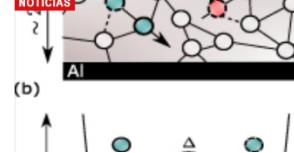
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