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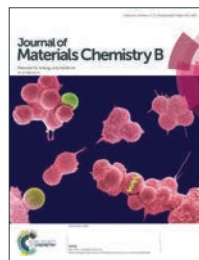
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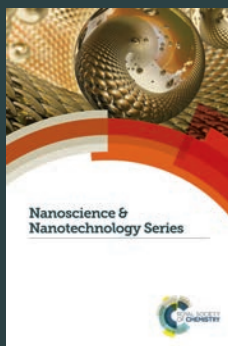
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Journal of Materials Chemistry C

Materials for optical, magnetic and electronic devices



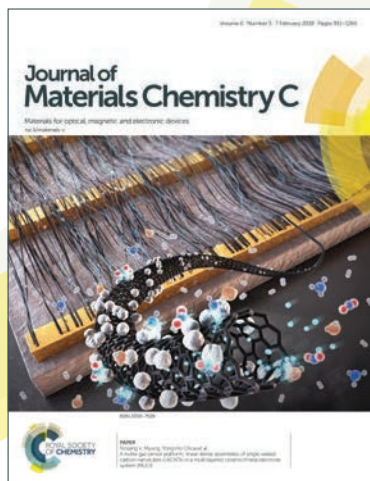
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Journal of Materials Chemistry C's broad scope allows us to provide a balanced representation of high quality research across materials for optical, magnetic and electronic devices.

We welcome research spanning all material types, for example nano, 2D, smart, carbon and multifunctional materials, with applications including those in the following areas:

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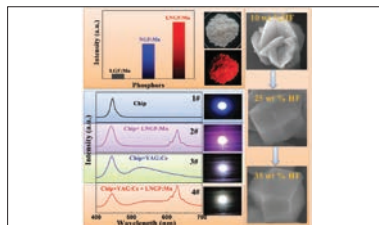
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Content highlights

Designed synthesis, morphology evolution and enhanced photoluminescence of a highly efficient red dodec-fluoride phosphor, $\text{Li}_3\text{Na}_3\text{Ga}_2\text{F}_{12}:\text{Mn}^{4+}$, for warm WLEDs

Mengmeng Zhu, Yuexiao Pan, Yaqi Huang, Hongzhou Lian and Jun Lin

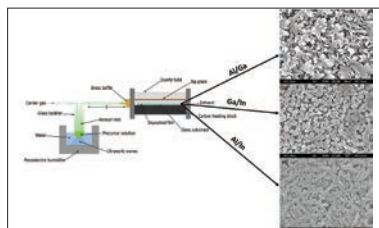
Journal of Materials Chemistry C, 2018, **6**, 491-499
xlink.rsc.org/?doi=10.1039/C7TC04878E



Aluminium/gallium, indium/gallium, and aluminium/indium co-doped ZnO thin films deposited via aerosol assisted CVD

Dominic B. Potter, Michael J. Powell, Ivan P. Parkin and Claire J. Carmalt

Journal of Materials Chemistry C, 2018, **6**, 588-597
xlink.rsc.org/?doi=10.1039/C7TC04003B

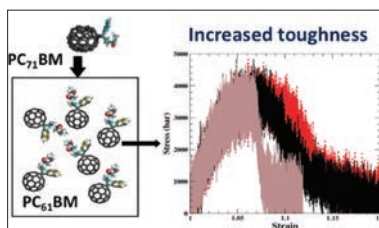


Characterization of the structural, mechanical, and electronic properties of fullerene mixtures: A molecular simulations description

Naga Rajesh Tummala, Saadullah G. Aziz, Veaceslav Coropceanu and Jean-Luc Bredas

Journal of Materials Chemistry C, 2018, **6**, 3642-3650

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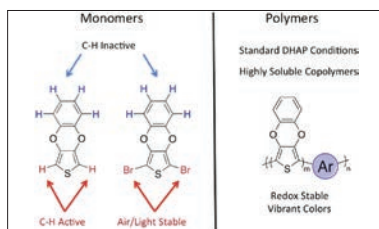


Soluble phenylenedioxythiophene copolymers via direct (hetero)arylation polymerization: A revived monomer for organic electronics

James F. Ponder, Jr., Brian Schmatz, Jeff L. Hernandez and John R. Reynolds

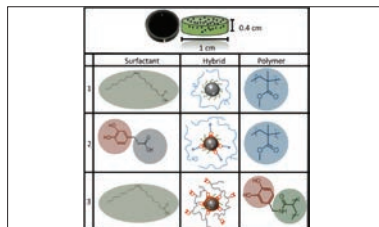
Journal of Materials Chemistry C, 2018, **6**, 1064-1070

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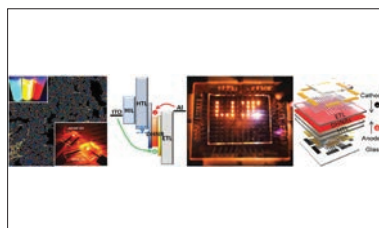
**The surface chemistry of iron oxide nanocrystals:
Surface reduction of $\gamma\text{-Fe}_2\text{O}_3$ to Fe_3O_4 by redox-active catechol surface ligands**

P. Daniel, S. I. Shylin, H. Lu, M. N. Tahir, M. Panthöfer, T. Weidner, A. Möller, V. Ksenofontov and W. Tremel
Journal of Materials Chemistry C, 2018, **6**, 326-333
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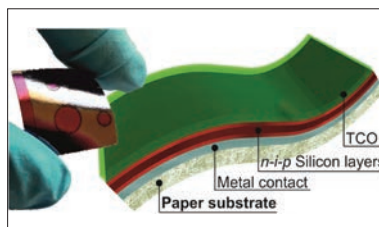
Light-emitting diodes of colloidal quantum dots and nanorod heterostructures for future emissive displays

Yiran Jiang, Seong-Yong Cho and Moonsub Shim
Journal of Materials Chemistry C, 2018, **6**, 2618-2634
xlink.rsc.org/?doi=10.1039/C7TC05972H



Multifunctional cellulose-paper for light harvesting and smart sensing applications

António T. Vicente, Andreia Araújo, Manuel J. Mendes, Daniela Nunes, Maria J. Oliveira, Olalla Sanchez-Sobrado, Marta P. Ferreira, Hugo Águas, Elvira Fortunato and Rodrigo Martins
Journal of Materials Chemistry C, 2018, **6**, 3143-3181
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