

**Synthesis and Photophysical Properties of Two Diazaporphyrin-Porphyrin Hetero Dimers in Polar and Nonpolar Solutions.** / Abou-Chahine, Fawzi; Fujii, Daisuke; Imahori, Hiroshi; Nakano, Haruyuki; Tkachenko, Nikolai V.; Matano, Yoshihiro; Lemmetyinen, Helge.

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**Water-Responsive and Mechanically Adaptive Natural Rubber Composites by in Situ Modification of Mineral Filler Structures.** / Banerjee, Shib Shankar; Hait, Sakrit; Natarajan, Tamil Selvan; Wießner, Sven; Stöckelhuber, Klaus Werner; Jehnichen, Dieter; Janke, Andreas; Fischer, Dieter; Heinrich, Gert; Busfield, James J.C.; Das, Amit.

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**Temperature scanning stress relaxation behavior of water responsive and mechanically adaptive elastomer nanocomposites.** / Banerjee, Shib Shankar; Natarajan, Tamil S.; Subramani B., Eshwaran; Wießner, Sven; Janke, Andreas; Heinrich, Gert; Das, Amit.

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**Compatibilization of natural rubber/nitrile rubber blends by sol-gel nano-silica generated by in situ method.** / Bansod, Naresh D.; Kapgate, Bharat P.; Das, Chayan; Das, Amit; Basu, Debdipta; Debnath, Subhas Chandra.  
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**Unmodified LDH as reinforcing filler for XNBR and the development of flame-retardant elastomer composites.** / Basu, Debdipta; Das, Amit; Jacobgeorge, Jinu; Wang, De Yi; Stöckelhuber, Klauswerner; Wagenknecht, Udo; Leuteritz, Andreas; Kutlu, Burak; Reuter, Uta; Heinrich, Gert.  
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