

Atomic layer deposition of high-k dielectrics on carbon nanoparticles

Tamm, Aile; **Koel, Mihkel; Peikolainen, Anna-Liisa** Thin solid films 2013 / p. 16-20 : ill <https://doi.org/10.1016/j.tsf.2012.09.071> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Carbon aerogel based electrode material for EAP actuators

Kaasik, Friedrich; Torop, Janno; **Peikolainen, Anna-Liisa; Koel, Mihkel**; Aabloo, Alvo Proceedings of SPIE 2011 / p. 79760O-1 - 79760O-8 : ill

Carbon aerogel-cellulose films and fibres with electrical conductivity and antibacterial properties against cyanobacteria

Elhi, Fred; Kisand, Veljo; Peikolainen, Anna-Liisa; **Koel, Mihkel**; Aabloo, Alvo 3rd Seminar on Aerogels : Synthesis-Properties-Applications : 22-23 September 2016, Mines ParisTech - PSL Research University, Sophia Antipolis (France) : proceedings 2016 / p. 180

Carbon xerogel from 5-methylresorcinol-formaldehyde gel : the controllability of structural properties

Peikolainen, Anna-Liisa; **Uibu, Mai**; Kozlova, Jekaterina; Mändar, Hugo; Tamm, Aile; Aabloo, Alvo Carbon trends 2021 / art. 100037, 11 p. : ill <https://doi.org/10.1016/j.cartre.2021.100037> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Comparison of carbon aerogel and carbide-derived carbon as electrode materials for non-aqueous supercapacitors with high performance

Laheäär, Ann; **Peikolainen, Anna-Liisa; Koel, Mihkel**; Jänes, Alar; Lust, Enn Journal of solid state electrochemistry 2012 / p. 2717-2722 : ill <https://link.springer.com/article/10.1007/s10008-012-1660-4>

Comparison of carbon aerogel and carbide-derived carbon as electrode materials for non-aqueous supercapacitors with high performance

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Electroactive polymer actuators with carbon aerogel electrodes

Palmre, Viljar; Lust, Enn; Jänes, Alar; **Koel, Mihkel; Peikolainen, Anna-Liisa**; Torop, Janno; Johanson, Urmas; Aabloo, Alvo Journal of materials chemistry 2011 / p. 2577-2583 : ill <https://pubs.rsc.org/en/content/articlelanding/2011/jm/c0jm01729a>

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Torop, Janno; Peikolainen, Anna-Liisa; Aabloo, Alvo; **Koel, Mihkel**; Asaka, Kinji; Baughman, Ray Electromechanically active polymers : a concise reference 2016 / p. 1-16 http://dx.doi.org/10.1007/978-3-319-31767-0_18-1

Inkjet-printed hybrid conducting polymer-activated carbon aerogel linear actuators driven in an organic electrolyte

Põldsalu, Inga; Harjo, Madis; Tamm, Tarmo; **Uibu, Mai**; Peikolainen, Anna-Liisa; Kiefer, Rudolf Sensors and actuators B : chemical 2017 / p. 44-51 : ill <https://doi.org/10.1016/j.snb.2017.04.138> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Kaasik, Friedrich; Must, Indrek; Torop, Janno; **Peikolainen, Anna-Liisa**; Aabloo, Alvo SustainChem2011 : International Conference on Materials and Technologies for Green Chemistry jointly with Workshop of COST Action CM0903 (UBIOCHEM-II) : September 5-9, 2011, Tallinn, Estonia : abstract book and program 2011 / p. 112 : ill

Key aspects of industrial fabrication of carbon based ionic capacitive laminates

Kaasik, Friedrich; Jürgens, M.; Lust, Enn; Aabloo, Alvo; Baranova, Inna; Basant, Martin Z.; Hantel, Moritz M.; Johanson, Urmas; Kiefer, Rudolf; **Koel, Mihkel**; Peikolainen, Anna-Liisa Future Frontiers : PhD Conference on Emerging Technologies : Book of Abstracts 2025 / p. 33 ; oral 22 https://tuit.ut.ee/sites/default/files/2025-05/PhD%20Conference%202025%20Book%20of%20Abstracts_pub3.pdf

Low-density organic aerogels from oil shale by-product 5-methylresorcinol

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Sol-gel derived carbon microspheres by continuous ultrasonic spray pyrolysis

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