

REFERENCES

1. Abe, K. and Yano, H. (2009). Comparison of the characteristics of cellulose microfibril aggregates of wood, rice straw and potato tuber. *Cellulose*, 16(6), 1017-1023. <https://doi.org/10.1007/s10570-009-9334-9>
2. Aburabie, J. and Hashaikh, R. (2022). Breaking and connecting: highly hazy and transparent regenerated networked-nanofibrous cellulose films via combination of hydrolysis and crosslinking. *Nanomaterials*, 12(15), 2729. <https://doi.org/10.3390/nano12152729>
3. Agrawal, R., Shah, J., Gupta, G., Srivastava, R., Sharma, C., & Kotnala, R. (2020). Significantly high electromagnetic shielding effectiveness in polypyrrole synthesized by eco-friendly and cost-effective technique. *Journal of Applied Polymer Science*, 137(48). <https://doi.org/10.1002/app.49566>
4. Araki, K., Ota, Y., Saiki, H., Tawa, H., Nishioka, K., & Yamaguchi, M. (2019). Super-multi-junction solar cells—device configuration with the potential for more than 50% annual energy conversion efficiency (non-concentration). *Applied Sciences*, 9(21), 4598. <https://doi.org/10.3390/app9214598>
5. Babel, A. and Jenekhe, S. (2003). High electron mobility in ladder polymer field-effect transistors. *Journal of the American Chemical Society*, 125(45), 13656-13657. <https://doi.org/10.1021/ja0371810>
6. Baby, A., John, A., & Sreeja, P. (2022). Photoresponsive carbon-azobenzene hybrids: a promising material for energy devices. *Chemphyschem*, 24(6). <https://doi.org/10.1002/cphc.202200676>
7. Balakrishnan, K., Dey, S., Gupta, T., Dhaliwal, R., Bräuer, M., Cohen, A., ... & Dandona, L. (2019). The impact of air pollution on deaths, disease burden, and life expectancy across the states of india: the global burden of disease study 2017. *The Lancet Planetary Health*, 3(1), e26-e39. [https://doi.org/10.1016/s2542-5196\(18\)30261-4](https://doi.org/10.1016/s2542-5196(18)30261-4)
8. Bao, J. and Bawendi, M. (2015). A colloidal quantum dot spectrometer. *Nature*, 523(7558), 67-70. <https://doi.org/10.1038/nature14576>
9. Barros, T., Royant, A., Standfuss, J., Dreuw, A., & Kühlbrandt, W. (2009). Crystal structure of plant light-harvesting complex shows the active, energy-transmitting state. *The Embo Journal*, 28(3), 298-306. <https://doi.org/10.1038/emboj.2008.276>
10. Barud, H., Silva, R., Barud, H., Tercjak, A., Gutierrez, J., Lustrì, W., ... & Ribeiro, S. (2016). A multipurpose natural and renewable polymer in medical applications: bacterial

- cellulose. Carbohydrate Polymers, 153, 406-420.
<https://doi.org/10.1016/j.carbpol.2016.07.059>
11. Bayarkhuu, B., Yang, C., Wang, W., Zhang, K., & Byun, J. (2020). Magnetic conjugated polymer nanoparticles with tunable wettability for versatile photocatalysis under visible light. *Acs Materials Letters*, 2(5), 557-562.
<https://doi.org/10.1021/acsmaterialslett.0c00065>
 12. Bell, A., Frankel, L., & Bricker, T. (2015). High yield non-detergent isolation of photosystem i-light-harvesting chlorophyll ii membranes from spinach thylakoids. *Journal of Biological Chemistry*, 290(30), 18429-18437.
<https://doi.org/10.1074/jbc.m115.663872>
 13. Bergman, B. and Hanks, T. (2000). Spectroscopic, microscopic, and surface analysis of alkanethiol- and fluoroalkane-thiol-modified conducting polymer thin films. *Macromolecules*, 33(21), 8035-8042. <https://doi.org/10.1021/ma000659p>
 14. Betlej, I., Antczak, A., Szadkowski, J., Drożdżek, M., Krajewski, K., Radomski, A., ... & Borysiak, S. (2022). Evaluation of the hydrolysis efficiency of bacterial cellulose gel film after the liquid hot water and steam explosion pretreatments. *Polymers*, 14(10), 2032.
<https://doi.org/10.3390/polym14102032>
 15. Bhowmik, K., Deb, K., Bera, A., Nath, R., & Saha, B. (2016). Charge transport through polyaniline incorporated electrically conducting functional paper. *The Journal of Physical Chemistry C*, 120(11), 5855-5860. <https://doi.org/10.1021/acs.jpcc.5b08650>
 16. Biswas, S. and Drzal, L. (2010). Multilayered nanoarchitecture of graphene nanosheets and polypyrrole nanowires for high performance supercapacitor electrodes. *Chemistry of Materials*, 22(20), 5667-5671. <https://doi.org/10.1021/cm101132g>
 17. Boddula, R. and Palaniappan, S. (2015). Simultaneous oxidation and doping of aniline to polyaniline by oxidative template: electrochemical performance in supercapacitor. *International Journal of Polymeric Materials*, 64(18), 939-945.
<https://doi.org/10.1080/00914037.2015.1038814>
 18. Bodson, C., Pirard, S., Pirard, R., Tasseroul, L., Bied, C., Man, M., ... & Lambert, S. (2014). P-doped titania xerogels as efficient uv-visible photocatalysts. *Journal of Materials Science and Chemical Engineering*, 02(08), 17-32.
<https://doi.org/10.4236/msce.2014.28004>
 19. Brooks, K. and Nazeeruddin, M. (2021). Laser processing methods for perovskite solar cells and modules. *Advanced Energy Materials*, 11(29).
<https://doi.org/10.1002/aenm.202101149>

20. Chahmi, M., Bouras, M., Hadjab, M., & Saeed, M. (2023). Light trapping for absorption control in perovskite-based photovoltaic solar cells. *Progress in Electromagnetics Research Letters*, 108, 41-48. <https://doi.org/10.2528/pierl22110505>
21. Chen, M., Ghiggino, K., Mau, A., Rizzardo, E., Thang, S., & Wilson, G. (2002). Synthesis of light harvesting polymers by raft methods. *Chemical Communications*, (19), 2276-2277. <https://doi.org/10.1039/b206166j>
22. Chen, S., Li, B., Li, B., Luo, H., Yu, S., He, J., ... & Liao, X. (2021). Design an epoxy coating with tio₂/go/pani nanocomposites for enhancing corrosion resistance of q235 carbon steel. *Materials*, 14(10), 2629. <https://doi.org/10.3390/ma14102629>
23. Chen, T., Chen, W., Foley, B., Lee, J., Ruff, J., Ko, J., ... & Lee, S. (2017). Origin of long lifetime of band-edge charge carriers in organic-inorganic lead iodide perovskites. *Proceedings of the National Academy of Sciences*, 114(29), 7519-7524. <https://doi.org/10.1073/pnas.1704421114>
24. Chen, X. and Burda, C. (2008). The electronic origin of the visible-light absorption properties of c-, n- and s-doped tio₂ nanomaterials. *Journal of the American Chemical Society*, 130(15), 5018-5019. <https://doi.org/10.1021/ja711023z>
25. Chen, Z., Okimoto, A., Kiyonaga, T., & Nagaoka, T. (1999). Preparation of soluble polypyrrole composites and their uptake properties for anionic compounds. *Analytical Chemistry*, 71(9), 1834-1839. <https://doi.org/10.1021/ac981334y>
26. Cheng, S. and Grest, G. (2016). Dispersing nanoparticles in a polymer film via solvent evaporation. *Acs Macro Letters*, 5(6), 694-698. <https://doi.org/10.1021/acsmacrolett.6b00263>
27. Choi, H., Mai, C., Kim, H., Jeong, J., Song, S., Bazan, G., ... & Heeger, A. (2015). Conjugated polyelectrolyte hole transport layer for inverted-type perovskite solar cells. *Nature Communications*, 6(1). <https://doi.org/10.1038/ncomms8348>
28. Connelly, J., Müller, M., Hucke, M., Gatzen, G., Mullineaux, C., Ruban, A., ... & Holzwarth, A. (1997). Ultrafast spectroscopy of trimeric light-harvesting complex ii from higher plants. *The Journal of Physical Chemistry B*, 101(10), 1902-1909. <https://doi.org/10.1021/jp9619651>
29. Corrêa, A., Carmona, V., Simão, J., Galvani, F., Marconcini, J., & Mattoso, L. (2019). Cellulose nanocrystals from fibers of macauba (*acromia aculeata*) and gravata (*bromelia balansae*) from brazilian pantanal. *Polymers*, 11(11), 1785. <https://doi.org/10.3390/polym11111785>

30. Croce, R., Canino, G., Ros, F., & Bassi, R. (2002). Chromophore organization in the higher-plant photosystem ii antenna protein cp26. *Biochemistry*, 41(23), 7334-7343. <https://doi.org/10.1021/bi0257437>
31. Cui, X., Lee, V., Raphael, Y., Wiler, J., Hetke, J., Anderson, D., ... & Martin, D. (2001). Surface modification of neural recording electrodes with conducting polymer/biomolecule blends. *Journal of Biomedical Materials Research*, 56(2), 261-272. [https://doi.org/10.1002/1097-4636\(200108\)56:23.0.co;2-i](https://doi.org/10.1002/1097-4636(200108)56:23.0.co;2-i)
32. Dabbousi, B., Rodríguez-Viejo, J., Mikulec, F., Heine, J., Mattoussi, H., Ober, R., ... & Bawendi, M. (1997). (cdse)zns core-shell quantum dots: synthesis and characterization of a size series of highly luminescent nanocrystallites. *The Journal of Physical Chemistry B*, 101(46), 9463-9475. <https://doi.org/10.1021/jp971091y>
33. Daghrrir, R., Drogui, P., & Robert, D. (2013). Modified tio2 for environmental photocatalytic applications: a review. *Industrial & Engineering Chemistry Research*, 52(10), 3581-3599. <https://doi.org/10.1021/ie303468t>
34. Dai, W., Gao, Z., Li, J., Qin, S., Wang, R., Xu, H., ... & Yu, W. (2021). Above 15% efficient directly sputtered cigs solar cells enabled by a modified back-contact interface. *Acs Applied Materials & Interfaces*, 13(41), 49414-49422. <https://doi.org/10.1021/acsami.1c11493>
35. Diosa, J., Orive, A., Weinberger, C., Schwiderek, S., Knust, S., Tiemann, M., ... & Camargo-Amado, R. (2021). tio2 nanoparticle coatings on glass surfaces for the selective trapping of leukemia cells from peripheral blood. *Journal of Biomedical Materials Research Part B Applied Biomaterials*, 109(12), 2142-2153. <https://doi.org/10.1002/jbm.b.34862>
36. Docampo, P., Ball, J., Darwich, M., Eperon, G., & Snaith, H. (2013). Efficient organometal trihalide perovskite planar-heterojunction solar cells on flexible polymer substrates. *Nature Communications*, 4(1). <https://doi.org/10.1038/ncomms3761>
37. Du, G., Wang, Z., Zhai, T., Li, Y., Chang, K., Yu, B., ... & Deng, W. (2022). Flow-enhanced flexible microcomb printing of organic solar cells. *Acs Applied Materials & Interfaces*, 14(11), 13572-13583. <https://doi.org/10.1021/acsami.1c22724>
38. Duché, D., Torchio, P., Escoubas, L., Monestier, F., Simon, J., Flory, F., ... & Mathian, G. (2009). Improving light absorption in organic solar cells by plasmonic contribution. *Solar Energy Materials and Solar Cells*, 93(8), 1377-1382. <https://doi.org/10.1016/j.solmat.2009.02.028>

39. Essig, S., Benick, J., Schachtner, M., Wekkeli, A., Hermle, M., & Dimroth, F. (2015). Wafer-bonded gainp/gaas//si solar cells with 30% efficiency under concentrated sunlight. *Ieee Journal of Photovoltaics*, 5(3), 977-981. <https://doi.org/10.1109/jphotov.2015.2400212>
40. Ezban, M., Vad, K., & Kjalke, M. (2014). Turoctocog alfa (novoeight®) – from design to clinical proof of concept. *European Journal of Haematology*, 93(5), 369-376. <https://doi.org/10.1111/ejh.12366>
41. Fatah, I., Khalil, H., Hossain, M., Aziz, A., Davoudpour, Y., Dungani, R., ... & Bhat, A. (2014). Exploration of a chemo-mechanical technique for the isolation of nanofibrillated cellulosic fiber from oil palm empty fruit bunch as a reinforcing agent in composites materials. *Polymers*, 6(10), 2611-2624. <https://doi.org/10.3390/polym6102611>
42. Feurer, T., Bissig, B., Weiss, T., Carron, R., Avancini, E., Löckinger, J., ... & Tiwari, A. (2018). Single-graded cigs with narrow bandgap for tandem solar cells. *Science and Technology of Advanced Materials*, 19(1), 263-270. <https://doi.org/10.1080/14686996.2018.1444317>
43. Gao, C., Wei, T., Zhang, Y., Song, X., Yu, H., Liu, H., ... & Chen, X. (2019). A photoresponsive rutile tio₂ heterojunction with enhanced electron-hole separation for high-performance hydrogen evolution. *Advanced Materials*, 31(8). <https://doi.org/10.1002/adma.201806596>
44. Gao, J., Dong, P., Tan, J., Zhang, L., & Wang, C. (2023). Optimal design of novel honeycomb photocatalytic reactors for numerical analysis of formaldehyde degradation by cfd modeling. *Research on Chemical Intermediates*, 49(4), 1683-1700. <https://doi.org/10.1007/s11164-023-04961-4>
45. Ginting, R., Kaur, S., Lim, D., Kim, J., Lee, J., Lee, S., ... & Kang, J. (2017). Plasmonic effect of gold nanostars in highly efficient organic and perovskite solar cells. *ACS Applied Materials & Interfaces*, 9(41), 36111-36118. <https://doi.org/10.1021/acsami.7b11084>
46. Gu, S., Lu, Z., Zou, S., Wu, C., Peng, C., Ni, M., ... & Su, X. (2023). In situ generating yvo₄:eu³⁺,bi³⁺ downshifting phosphors in sio₂ antireflection coating for efficiency enhancement and ultraviolet stability of silicon solar cells. *Solar RRL*, 7(12). <https://doi.org/10.1002/solr.202300215>
47. Gumma, S., Basavaraj, B., Bidve, A., & Kalyane, S. (2021). Synthesis, characterization, and enhanced dielectric properties of polyaniline-cadmium oxide composites. *Macromolecular Symposia*, 400(1). <https://doi.org/10.1002/masy.202100109>

48. Guo, Q., Ding, Y., Dai, Z., Chen, Z., Du, M., Wang, Z., ... & Zhou, E. (2022). Multiplication wide-bandgap perovskite solar cells grown using cesium formate as the cs precursor with high efficiency under sunlight and indoor illumination. *Physical Chemistry Chemical Physics*, 24(29), 17526-17534. <https://doi.org/10.1039/d2cp02358j>
49. Guo, Q., Ding, Y., Dai, Z., Chen, Z., Du, M., Wang, Z., ... & Zhou, E. (2022). Multiplication wide-bandgap perovskite solar cells grown using cesium formate as the cs precursor with high efficiency under sunlight and indoor illumination. *Physical Chemistry Chemical Physics*, 24(29), 17526-17534. <https://doi.org/10.1039/d2cp02358j>
50. Haghanifar, S., Galante, A., & Leu, P. (2020). Challenges and prospects of bio-inspired and multifunctional transparent substrates and barrier layers for optoelectronics. *Acs Nano*, 14(12), 16241-16265. <https://doi.org/10.1021/acsnano.0c06452>
- Han, Z., Hu, J., Huang, H., Han, X., Ke, Y., Li, Z., ... & Xu, W. (2022). Effect of in situ deposition of calcium carbonate in cotton fiber on its mechanical properties. *Journal of Applied Polymer Science*, 140(3). <https://doi.org/10.1002/app.53344>
51. Hanif, M., Šihor, M., Liapun, V., Makarov, H., Monfort, O., & Motola, M. (2022). Porous vs. nanotubular anodic tio₂: does the morphology really matters for the photodegradation of caffeine?. *Coatings*, 12(7), 1002. <https://doi.org/10.3390/coatings12071002>
52. Haule, L., Carr, C., & Rigout, M. (2014). Investigation into the removal of an easy-care crosslinking agent from cotton and the subsequent regeneration of lyocell-type fibres. *Cellulose*, 21(3), 2147-2156. <https://doi.org/10.1007/s10570-014-0225-3>
53. Holmér, J., Zeng, L., Kanne, T., Krogstrup, P., Nygård, J., Knoop, L., ... & Olsson, E. (2018). An stm - sem setup for characterizing photon and electron induced effects in single photovoltaic nanowires. *Nano Energy*, 53, 175-181. <https://doi.org/10.1016/j.nanoen.2018.08.037>
54. Hou, G., Liu, Y., Zhang, D., Li, G., Xie, H., & Fang, Z. (2020). Approaching theoretical haze of highly transparent all-cellulose composite films. *Acs Applied Materials & Interfaces*, 12(28), 31998-32005. <https://doi.org/10.1021/acsaami.0c08586>
55. Hou, G., Liu, Y., Zhang, D., Li, G., Xie, H., & Fang, Z. (2020). Approaching theoretical haze of highly transparent all-cellulose composite films. *Acs Applied Materials & Interfaces*, 12(28), 31998-32005. <https://doi.org/10.1021/acsaami.0c08586>
56. Hou, J., Inganäs, O., Friend, R., & Gao, F. (2018). Organic solar cells based on non-fullerene acceptors. *Nature Materials*, 17(2), 119-128. <https://doi.org/10.1038/nmat5063>

57. Hwang, J., Nish, A., Doig, J., Douven, S., Chen, C., Chen, L., ... & Nicholas, R. (2008). Polymer structure and solvent effects on the selective dispersion of single-walled carbon nanotubes. *Journal of the American Chemical Society*, 130(11), 3543-3553. <https://doi.org/10.1021/ja0777640>
58. Hwang, K., Jung, Y., Heo, Y., Scholes, F., Watkins, S., Subbiah, J., ... & Vak, D. (2015). Toward large scale roll-to-roll production of fully printed perovskite solar cells. *Advanced Materials*, 27(7), 1241-1247. <https://doi.org/10.1002/adma.201404598>
59. Islam, A., Arslanoğlu, H., Terdi, M., ArunaKumari, M., Singh, S., Alam, M., ... & Akhtaruzzaman, M. (2016). Prospects of graphene as a potential carrier-transport material in third-generation solar cells. *The Chemical Record*, 16(2), 614-632. <https://doi.org/10.1002/tcr.201500206>
60. Iwamoto, S., Isogai, A., & Iwata, T. (2011). Structure and mechanical properties of wet-spun fibers made from natural cellulose nanofibers. *Biomacromolecules*, 12(3), 831-836. <https://doi.org/10.1021/bm101510r>
61. Jain, N., Bhatia, A., & Pathak, H. (2014). Emission of air pollutants from crop residue burning in india. *Aerosol and Air Quality Research*, 14(1), 422-430. <https://doi.org/10.4209/aaqr.2013.01.0031>
62. Jakubka, F., Schießl, S., Martin, S., Englert, J., Hauke, F., Hirsch, A., ... & Zaumseil, J. (2012). Effect of polymer molecular weight and solution parameters on selective dispersion of single-walled carbon nanotubes. *Acs Macro Letters*, 1(7), 815-819. <https://doi.org/10.1021/mz300147g>
63. Jethva, H., Torres, O., Field, R., Lyapustin, A., Gautam, R., & Kayetha, V. (2019). Connecting crop productivity, residue fires, and air quality over northern india. *Scientific Reports*, 9(1). <https://doi.org/10.1038/s41598-019-52799-x>
64. Ji, S., He, W., Wang, K., Ran, Y., & Ye, C. (2014). Thermal response of transparent silver nanowire/pedot:pss film heaters. *Small*, 10(23), 4951-4960. <https://doi.org/10.1002/smll.201401690>
65. Jiang, Z., Yu, J., Huang, T., & Sun, M. (2018). Recent advance on polyaniline or polypyrrole-derived electrocatalysts for oxygen reduction reaction. *Polymers*, 10(12), 1397. <https://doi.org/10.3390/polym10121397>
66. Jin, S., DeMarco, E., Pellin, M., Farha, O., Wiederrecht, G., & Hupp, J. (2013). Distance-engineered plasmon-enhanced light harvesting in cdse quantum dots. *The Journal of Physical Chemistry Letters*, 4(20), 3527-3533. <https://doi.org/10.1021/jz401801v>

67. Jorfi, M. and Foster, E. (2014). Recent advances in nanocellulose for biomedical applications. *Journal of Applied Polymer Science*, 132(14). <https://doi.org/10.1002/app.41719>
68. Jouault, N., Zhao, D., & Kumar, S. (2014). Role of casting solvent on nanoparticle dispersion in polymer nanocomposites. *Macromolecules*, 47(15), 5246-5255. <https://doi.org/10.1021/ma500619g>
69. Kang, D., Takiguchi, Y., Sichanugrist, P., & Konagai, M. (2016). Ingap//gaas//cigs 3-junction spectrum-splitting solar cells with low-concentration ratio. *Physica Status Solidi (A)*, 213(6), 1535-1540. <https://doi.org/10.1002/pssa.201532811>
70. Kang, H., Song, S., Sul, Y., An, B., Yin, Z., Choi, Y., ... & Cho, J. (2018). Epitaxial-growth-induced junction welding of silver nanowire network electrodes. *Acs Nano*, 12(5), 4894-4902. <https://doi.org/10.1021/acsnano.8b01900>
71. Kang, J., Shin, N., Jang, D., Prabhu, V., & Yoon, D. (2008). Structure and properties of small molecule–polymer blend semiconductors for organic thin film transistors. *Journal of the American Chemical Society*, 130(37), 12273-12275. <https://doi.org/10.1021/ja804013n>
72. Kang, Y. and Taton, T. (2003). Micelle-encapsulated carbon nanotubes: a route to nanotube composites. *Journal of the American Chemical Society*, 125(19), 5650-5651. <https://doi.org/10.1021/ja034082d>
73. Kesters, J., Verstappen, P., Raymakers, J., Vanormelingen, W., Drijkoningen, J., D'Haen, J., ... & Maes, W. (2015). Enhanced organic solar cell stability by polymer (pcpdtbt) side chain functionalization. *Chemistry of Materials*, 27(4), 1332-1341. <https://doi.org/10.1021/cm504391k>
74. Kim, D., Muzzillo, C., Tong, J., Palmstrom, A., Larson, B., Choi, C., ... & Zhu, K. (2019). Bimolecular additives improve wide-band-gap perovskites for efficient tandem solar cells with cigs. *Joule*, 3(7), 1734-1745. <https://doi.org/10.1016/j.joule.2019.04.012>
75. Kim, M., Flowers, P., Stewart, I., Ye, S., Baek, S., Kim, J., ... & Wiley, B. (2016). Ethylenediamine promotes cu nanowire growth by inhibiting oxidation of cu(111). *Journal of the American Chemical Society*, 139(1), 277-284. <https://doi.org/10.1021/jacs.6b10653>
76. Kim, T., Canlier, A., Kim, G., Choi, J., Park, M., & Han, S. (2013). Electrostatic spray deposition of highly transparent silver nanowire electrode on flexible substrate. *Acs Applied Materials & Interfaces*, 5(3), 788-794. <https://doi.org/10.1021/am3023543>

77. Kim, Y., Nguyen, H., & Kinlen, P. (2021). Secondary dopants of electrically conducting polyanilines. *Polymers*, 13(17), 2904. <https://doi.org/10.3390/polym13172904>
78. Klemm, D., Krämer, F., Moritz, S., Lindström, T., Ankerfors, M., Gray, D., ... & Dorris, A. (2011). Nanocelluloses: a new family of nature-based materials. *Angewandte Chemie*, 50(24), 5438-5466. <https://doi.org/10.1002/anie.201001273>
79. Labidi, K., Korhonen, O., Zrida, M., Hamzaoui, A., & Budtova, T. (2019). All-cellulose composites from alfa and wood fibers. *Industrial Crops and Products*, 127, 135-141. <https://doi.org/10.1016/j.indcrop.2018.10.055>
80. Le, T., Bui, T., Bui, H., Dao, V., & Ngoc, L. (2021). Tio₂ inverse opals modified by ag nanoparticles: a synergic effect of enhanced visible-light absorption and efficient charge separation for visible-light photocatalysis. *Catalysts*, 11(7), 761. <https://doi.org/10.3390/catal11070761>
81. Lee, J., Kim, S., & Lee, Y. (2014). Quantitative analyses of photovoltaic cigs thin films via sims depth profiling with elemental ions and mcs⁺ clusters. *Surface and Interface Analysis*, 46(10-11), 1099-1104. <https://doi.org/10.1002/sia.5432>
82. Lee, S., Bae, S., Kim, D., & Lee, H. (2020). Historical analysis of high-efficiency, large-area solar cells: toward upscaling of perovskite solar cells. *Advanced Materials*, 32(51). <https://doi.org/10.1002/adma.202002202>
83. Lee, S., Biswas, R., Li, W., Kang, D., Chan, L., & Yoon, J. (2014). Printable nanostructured silicon solar cells for high-performance, large-area flexible photovoltaics. *Acs Nano*, 8(10), 10507-10516. <https://doi.org/10.1021/nn503884z>
84. Leonavicius, K., Ramanaviciene, A., & Ramanavicius, A. (2011). Polymerization model for hydrogen peroxide initiated synthesis of polypyrrole nanoparticles. *Langmuir*, 27(17), 10970-10976. <https://doi.org/10.1021/la201962a>
85. Li, J., Buchholz, D., Zhang, M., & Chang, R. (2008). Electrical modification of zno nanodevices by a pulsed-laser deposited al₂o₃ film. *The Journal of Physical Chemistry C*, 112(49), 19686-19689. <https://doi.org/10.1021/jp8038913>
86. Li, Z., Chiu, K., Ashraf, R., Fearn, S., Dattani, R., Wong, H., ... & Durrant, J. (2015). Toward improved lifetimes of organic solar cells under thermal stress: substrate-dependent morphological stability of pcdtbt:pcbm films and devices. *Scientific Reports*, 5(1). <https://doi.org/10.1038/srep15149>
87. Liang, J., Wei, M., Wang, Q., Zhao, Z., Liu, A., Zhou, Y., ... & Tian, Y. (2017). Sensitive electrochemical determination of hydrogen peroxide using copper nanoparticles in a

- polyaniline film on a glassy carbon electrode. *Analytical Letters*, 51(4), 512-522. <https://doi.org/10.1080/00032719.2017.1343832>
88. Liang, Y., Xu, Z., Xia, J., Tsai, S., Wu, Y., Li, G., ... & Yu, L. (2010). For the bright future—bulk heterojunction polymer solar cells with power conversion efficiency of 7.4%. *Advanced Materials*, 22(20). <https://doi.org/10.1002/adma.200903528>
89. Lin, F. and Catchmark, J. (2015). Characterization of cellulose and other exopolysaccharides produced from gluconacetobacter strains. *Carbohydrate Polymers*, 115, 663-669. <https://doi.org/10.1016/j.carbpol.2014.09.028>
90. Liu, Z. (2023). High-performance ruddlesden–popper two-dimensional perovskite solar cells using integrated electron transport materials of tin oxide and indacenodithiophene. *Materials Advances*, 4(16), 3551-3558. <https://doi.org/10.1039/d3ma00221g>
91. Liu, Z., Deng, K., Hu, J., & Li, L. (2019). Coagulated SnO_2 colloids for high-performance planar perovskite solar cells with negligible hysteresis and improved stability. *Angewandte Chemie*, 58(33), 11497-11504. <https://doi.org/10.1002/anie.201904945>
92. Lu, Y. and Lal, A. (2010). High-efficiency ordered silicon nano-conical-frustum array solar cells by self-powered parallel electron lithography. *Nano Letters*, 10(11), 4651-4656. <https://doi.org/10.1021/nl102867a>
93. Lupaşcu, R., Ghica, M., Dinu-Pîrvu, C., Popa, L., Velescu, B., & Arsene, A. (2022). An overview regarding microbial aspects of production and applications of bacterial cellulose. *Materials*, 15(2), 676. <https://doi.org/10.3390/ma15020676>
94. Ma, W., Zhang, F., & Meng, S. (2014). Dye-sensitized solar cells: atomic scale investigation of interface structure and dynamics. *Chinese Physics B*, 23(8), 086801. <https://doi.org/10.1088/1674-1056/23/8/086801>
95. Ma, X., Deng, Q., Wang, L., Zheng, X., Wang, S., Wang, Q., ... & Cao, S. (2019). Cellulose transparent conductive film and its feasible use in perovskite solar cells. *RSC Advances*, 9(17), 9348-9353. <https://doi.org/10.1039/c9ra01301f>
96. Mahmood, A., Rouhaghdam, A., & Shahrabi, T. (2010). Abrasive wear behaviour of $\text{Si}_3\text{N}_4/\text{TiO}_2$ nanocomposite coatings fabricated by plasma electrolytic oxidation. *Surface and Coatings Technology*, 205, S41-S46. <https://doi.org/10.1016/j.surfcoat.2010.03.052>
97. Masuda, Y. and Kato, K. (2009). Synthesis and phase transformation of TiO_2 nano-crystals in aqueous solutions. *Journal of the Ceramic Society of Japan*, 117(1363), 373-376. <https://doi.org/10.2109/jcersj2.117.373>
98. Meng, D., Sun, D., Zhong, C., Liu, T., Fan, B., Huo, L., ... & Heeger, A. (2015). High-performance solution-processed non-fullerene organic solar cells based on selenophene-

- containing perylene bisimide acceptor. *Journal of the American Chemical Society*, 138(1), 375-380. <https://doi.org/10.1021/jacs.5b11149>
99. Mohamed, S., Hossain, M., Kassim, M., Ahmad, M., Kadir, M., Balakrishnan, V., ... & Yahaya, A. (2021). Recycling waste cotton cloths for the isolation of cellulose nanocrystals: a sustainable approach. *Polymers*, 13(4), 626. <https://doi.org/10.3390/polym13040626>
100. Moreira, R., Simão, J., Gouveia, R., & Strauss, M. (2020). Exploring the hierarchical structure and alignment of wood cellulose fibers for bioinspired anisotropic polymeric composites. *Acs Applied Bio Materials*, 3(4), 2193-2200. <https://doi.org/10.1021/acsabm.0c00038>
101. Mrinalini, M., Islavath, N., Prasanthkumar, S., & Giribabu, L. (2018). Stipulating low production cost solar cells all set to retail...!. *The Chemical Record*, 19(2-3), 661-674. <https://doi.org/10.1002/tcr.201800106>
102. Mwaikambo, L. and Ansell, M. (2002). Chemical modification of hemp, sisal, jute, and kapok fibers by alkalization. *Journal of Applied Polymer Science*, 84(12), 2222-2234. <https://doi.org/10.1002/app.10460>
103. Nguyen, D. and Youn, H. (2019). Facile fabrication of highly conductive, ultrasmooth, and flexible silver nanowire electrode for organic optoelectronic devices. *Acs Applied Materials & Interfaces*, 11(45), 42469-42478. <https://doi.org/10.1021/acsami.9b13132>
104. Niu, Z., Cui, F., Kuttner, E., Xie, C., Chen, H., Sun, Y., ... & Yang, P. (2018). Synthesis of silver nanowires with reduced diameters using benzoin-derived radicals to make transparent conductors with high transparency and low haze. *Nano Letters*, 18(8), 5329-5334. <https://doi.org/10.1021/acs.nanolett.8b02479>
105. Nogi, M. and Yano, H. (2009). Optically transparent nanofiber sheets by deposition of transparent materials: a concept for a roll-to-roll processing. *Applied Physics Letters*, 94(23). <https://doi.org/10.1063/1.3154547>
106. Nogi, M., Karakawa, M., Komoda, N., Yagyu, H., & Nge, T. (2015). Transparent conductive nanofiber paper for foldable solar cells. *Scientific Reports*, 5(1). <https://doi.org/10.1038/srep17254>
107. Olsén, P., Herrera, N., & Berglund, L. (2019). Polymer grafting inside wood cellulose fibers by improved hydroxyl accessibility from fiber swelling. *Biomacromolecules*, 21(2), 597-603. <https://doi.org/10.1021/acs.biomac.9b01333>

108. Onge, P., Ocheje, M., Selivanova, M., & Rondeau-Gagné, S. (2018). Recent advances in mechanically robust and stretchable bulk heterojunction polymer solar cells. *The Chemical Record*, 19(6), 1008-1027. <https://doi.org/10.1002/tcr.201800163>
109. Orue, A., Santamaria-Echart, A., Eceiza, A., Peña-Rodríguez, C., & Arbelaz, A. (2017). Office waste paper as cellulose nanocrystal source. *Journal of Applied Polymer Science*, 134(35). <https://doi.org/10.1002/app.45257>
110. Ouajai, S. and Shanks, R. (2005). Composition, structure and thermal degradation of hemp cellulose after chemical treatments. *Polymer Degradation and Stability*, 89(2), 327-335. <https://doi.org/10.1016/j.polymdegradstab.2005.01.016>
111. Park, S., Fukuda, K., Wang, M., Lee, C., Yokota, T., Jin, H., ... & Bazan, G. (2018). Ultraflexible near-infrared organic photodetectors for conformal photoplethysmogram sensors. *Advanced Materials*, 30(34). <https://doi.org/10.1002/adma.201802359>
112. Patidar, R., Burkitt, D., Hooper, K., Richards, D., & Watson, T. (2020). Slot-die coating of perovskite solar cells: an overview. *Materials Today Communications*, 22, 100808. <https://doi.org/10.1016/j.mtcomm.2019.100808>
113. Peetla, P., Schenzel, K., & Diepenbrock, W. (2006). Determination of mechanical strength properties of hemp fibers using near-infrared fourier transform raman microspectroscopy. *Applied Spectroscopy*, 60(6), 682-691. <https://doi.org/10.1366/000370206777670602>
114. Phanthong, P., Guan, G., Ma, Y., Hao, X., & Abudula, A. (2016). Effect of ball milling on the production of nanocellulose using mild acid hydrolysis method. *Journal of the Taiwan Institute of Chemical Engineers*, 60, 617-622. <https://doi.org/10.1016/j.jtice.2015.11.001>
115. Pivrikas, A., Sariciftci, N., Juška, G., & Österbacka, R. (2007). A review of charge transport and recombination in polymer/fullerene organic solar cells. *Progress in Photovoltaics Research and Applications*, 15(8), 677-696. <https://doi.org/10.1002/pip.791>
116. Porichha, G., Hu, Y., Rao, K., & Xu, C. (2021). Crop residue management in india: stubble burning vs. other utilizations including bioenergy. *Energies*, 14(14), 4281. <https://doi.org/10.3390/en14144281>
117. Pourjafari, D., Meroni, S., Dominguez, D., Escalante, R., Baker, J., Monroy, A., ... & Oskam, G. (2022). Strategies towards cost reduction in the manufacture of printable perovskite solar modules. *Energies*, 15(2), 641. <https://doi.org/10.3390/en15020641>

118. PrévotEAU, A., Soulié-Ziakovic, C., & Leibler, L. (2012). Universally dispersible carbon nanotubes. *Journal of the American Chemical Society*, 134(49), 19961-19964. <https://doi.org/10.1021/ja309029n>
119. Rahimipour, M. and Yazdani, B. (2010). Synthesis of a graphite oxide polyaniline nano-composite by an electrochemical method. *Chemical Engineering & Technology*, 33(2), 299-304. <https://doi.org/10.1002/ceat.200900361>
120. Rakocevic, L., Schöpe, G., Turan, B., Genoe, J., Aernouts, T., Haas, S., ... & Poortmans, J. (2020). Perovskite modules with 99% geometrical fill factor using point contact interconnections design. *Progress in Photovoltaics Research and Applications*, 28(11), 1120-1127. <https://doi.org/10.1002/pip.3312>
121. Rheinstädter, M., Topozini, L., & Dies, H. (2014). The interaction of bio-molecules with lipid membranes studied by x-ray diffraction. *Zeitschrift Für Physikalische Chemie*, 228(10-12), 1105-1120. <https://doi.org/10.1515/zpch-2014-0541>
122. Ridder, A., Gehrman, T., & Glover, E. (2005). Antenna subtraction at mnl0. *Journal of High Energy Physics*, 2005(09), 056-056. <https://doi.org/10.1088/1126-6708/2005/09/056>
123. Rumi, S., Liyanage, S., & Abidi, N. (2021). Conversion of low-quality cotton to bioplastics. *Cellulose*, 28(4), 2021-2038. <https://doi.org/10.1007/s10570-020-03661-1>
124. Saini, P., Choudhary, V., & Dhawan, S. (2011). Improved microwave absorption and electrostatic charge dissipation efficiencies of conducting polymer grafted fabrics prepared via in situ polymerization. *Polymers for Advanced Technologies*, 23(3), 343-349. <https://doi.org/10.1002/pat.1873>
125. Sandberg, O., Tvingstedt, K., Meredith, P., & Armin, A. (2019). Theoretical perspective on transient photovoltage and charge extraction techniques. *The Journal of Physical Chemistry C*, 123(23), 14261-14271. <https://doi.org/10.1021/acs.jpcc.9b03133>
126. Santoso, S., Chou, C., Lin, S., Soetaredjo, F., Ismadji, S., Hsieh, C., ... & Cheng, K. (2020). Enhanced production of bacterial cellulose by komactobacter intermedius using statistical modeling. *Cellulose*, 27(5), 2497-2509. <https://doi.org/10.1007/s10570-019-02961-5>
127. Sawpan, M., Pickering, K., & Fernyhough, A. (2011). Effect of various chemical treatments on the fibre structure and tensile properties of industrial hemp fibres. *Composites Part a Applied Science and Manufacturing*, 42(8), 888-895. <https://doi.org/10.1016/j.compositesa.2011.03.008>

128. Schmid, V., Cammarata, K., Bruns, B., & Schmidt, G. (1997). *in vitro* reconstitution of the photosystem I light-harvesting complex lhci-730: heterodimerization is required for antenna pigment organization. *Proceedings of the National Academy of Sciences*, 94(14), 7667-7672. <https://doi.org/10.1073/pnas.94.14.7667>
129. Shanker, R., Anusuyadevi, P., Gamage, S., Hallberg, T., Kariis, H., Banerjee, D., ... & Jonsson, M. (2022). Structurally colored cellulose nanocrystal films as transreflective radiative coolers. *Acs Nano*, 16(7), 10156-10162. <https://doi.org/10.1021/acsnano.1c10959>
130. Sharma, V., Jääskö, K., Yiannacou, K., Koivikko, A., Lampinen, V., & Sariola, V. (2022). Performance comparison of fast, transparent, and biotic heaters based on leaf skeletons. *Advanced Engineering Materials*, 24(9). <https://doi.org/10.1002/adem.202101625>
131. Shen, H., Liu, Y., & Deng, Y. (2007). Study on the improved structure of dye-sensitized solar cells for enhancing light absorption. *Frontiers of Materials Science in China*, 1(3), 293-296. <https://doi.org/10.1007/s11706-007-0053-6>
132. Shukla, A., Das, D., & Sen, K. (2022). Electrically-assisted chemical vapor polymerization: a novel method for *in situ* polymerization of pyrrole. *Journal of Applied Polymer Science*, 140(6). <https://doi.org/10.1002/app.53443>
133. Singh, E. and Nalwa, H. (2015). Stability of graphene-based heterojunction solar cells. *RSC Advances*, 5(90), 73575-73600. <https://doi.org/10.1039/c5ra11771b>
134. Singh, I., Mathur, P., Bhatnagar, P., Kaur, I., & Pandey, R. (2009). Study of photoluminescence quenching and dc conductivity measurements in polymer-swnt composite films for various swnt concentrations. *International Journal of Nanotechnology*, 6(7/8), 745. <https://doi.org/10.1504/ijnt.2009.025312>
135. Sivaraman, S., Mathai, C., Saravanan, S., Ashokan, R., Venkatachalam, S., & Anantharaman, M. (2006). On the optical and electrical properties of rf and a.c. plasma polymerized aniline thin films. *Bulletin of Materials Science*, 29(2), 159-163. <https://doi.org/10.1007/bf02704609>
136. Sousa, R., Andrade, A., & Masson, M. (2021). Extraction and characterization of nanofibrillated cellulose from yacon plant (*smallanthus sonchifolius*) stems. *Polímeros*, 31(2). <https://doi.org/10.1590/0104-1428.09620>
137. Stempień, Z., Rybicki, T., Rybicki, E., Kozanecki, M., & Szykowska, M. (2015). *In-situ* deposition of polyaniline and polypyrrole electroconductive layers on textile

- surfaces by the reactive ink-jet printing technique. *Synthetic Metals*, 202, 49-62. <https://doi.org/10.1016/j.synthmet.2015.01.027>
138. Stevulova, N., Hospodarova, V., Estokova, A., Singovszka, E., Holub, M., Demcak, S., ... & Dvorský, T. (2019). Characterization of manmade and recycled cellulosic fibers for their application in building materials. *Journal of Renewable Materials*, 7(11), 1121-1145. <https://doi.org/10.32604/jrm.2019.07556>
139. Suhailath, K., Jayakrishnan, P., Naufal, B., Periyat, P., Jasna, V., & Ramesan, M. (2016). Synthesis by in situ-free radical polymerization, characterization, and properties of poly (n-butyl methacrylate)/samarium-doped titanium dioxide nanoparticles composites. *Advances in Polymer Technology*, 37(4), 1114-1123. <https://doi.org/10.1002/adv.21770>
140. Sun, D., Meng, D., Cai, Y., Fan, B., Li, Y., Ji, W., ... & Wang, Z. (2015). Non-fullerene-acceptor-based bulk-heterojunction organic solar cells with efficiency over 7%. *Journal of the American Chemical Society*, 137(34), 11156-11162. <https://doi.org/10.1021/jacs.5b06414>
141. Sun, T., Liu, X., Yu, Z., Li, Y., Zhao, W., Tu, J., ... & Li, H. (2020). Sidewall profile dependent nanostructured ultrathin solar cells with enhanced light trapping capabilities. *Ieee Photonics Journal*, 12(1), 1-12. <https://doi.org/10.1109/jphot.2019.2961566>
142. Sutton, R., Eperon, G., Miranda, L., Parrott, E., Kamino, B., Patel, J., ... & Snaith, H. (2016). Bandgap-tunable cesium lead halide perovskites with high thermal stability for efficient solar cells. *Advanced Energy Materials*, 6(8). <https://doi.org/10.1002/aenm.201502458>
143. Tamai, Y. (2020). Delocalization boosts charge separation in organic solar cells. *Polymer Journal*, 52(7), 691-700. <https://doi.org/10.1038/s41428-020-0339-4>
144. Tang, H., He, S., & Peng, C. (2017). A short progress report on high-efficiency perovskite solar cells. *Nanoscale Research Letters*, 12(1). <https://doi.org/10.1186/s11671-017-2187-5>
145. Tang, N., Li, Y., Ge, J., Si, Y., Yu, J., & Yin, X. (2020). Ultrathin cellulose voronoi-nanonet membranes enable high-flux and energy-saving water purification. *ACS Applied Materials & Interfaces*, 12(28), 31852-31862. <https://doi.org/10.1021/acsami.0c08504>

146. Uddin, A., Upama, M., H, Y., & Duan, L. (2019). Encapsulation of organic and perovskite solar cells: a review. *Coatings*, 9(2), 65. <https://doi.org/10.3390/coatings9020065>
147. Uddin, J. and Ghann, W. (2018). Terahertz spectroscopic studies of quantum dots-conjugated gold nanoparticles. *Material Science & Engineering International Journal*, 2(3). <https://doi.org/10.15406/mseij.2018.02.00038>
148. Ullah, I. and Rasul, M. (2018). Recent developments in solar thermal desalination technologies: a review. *Energies*, 12(1), 119. <https://doi.org/10.3390/en12010119>
149. Wang, C., Xie, Z., deKrafft, K., & Lin, W. (2012). Light-harvesting cross-linked polymers for efficient heterogeneous photocatalysis. *ACS Applied Materials & Interfaces*, 4(4), 2288-2294. <https://doi.org/10.1021/am3003445>
150. Wang, D., Im, S., Lee, H., Park, O., & Park, J. (2009). Enhanced high-temperature long-term stability of polymer solar cells with a thermally stable tiox interlayer. *The Journal of Physical Chemistry C*, 113(39), 17268-17273. <https://doi.org/10.1021/jp9060939>
151. Wang, J., Leng, Y., Zhao, T., Li, C., Gu, D., & Li, W. (2023). SnO₂-based optoelectronic synapses for artificial visual applications. *Journal of Physics Conference Series*, 2524(1), 012011. <https://doi.org/10.1088/1742-6596/2524/1/012011>
152. Wang, Y., Tong, S., Xu, X., Özyilmaz, B., & Loh, K. (2011). Interface engineering of layer-by-layer stacked graphene anodes for high-performance organic solar cells. *Advanced Materials*, 23(13), 1514-1518. <https://doi.org/10.1002/adma.201003673>
153. Wang, Z., Wang, J., Zhang, J., & Dai, K. (2022). Overall utilization of photoexcited charges for simultaneous photocatalytic redox reactions. *Acta Physico-Chimica Sinica*, 0(0), 2209037. <https://doi.org/10.3866/pku.whxb202209037>
154. Wei, Y., Zhou, M., Yao, A., & Zhu, P. (2020). Preparation of microfibrillated cellulose from wood pulp through carbamate modification and colloid milling. *Applied Sciences*, 10(6), 1977. <https://doi.org/10.3390/app10061977>
155. Wiley, B., Sun, Y., Mayers, B., & Xia, Y. (2004). Shape-controlled synthesis of metal nanostructures: the case of silver. *Chemistry - A European Journal*, 11(2), 454-463. <https://doi.org/10.1002/chem.200400927>
156. Woo, J., Koo, D., Kim, N., Kim, H., Song, M., Park, H., ... & Kim, J. (2021). Amorphous alumina film robust under cyclic deformation: a highly impermeable and a

- highly flexible encapsulation material. *Acs Applied Materials & Interfaces*, 13(39), 46894-46901. <https://doi.org/10.1021/acsami.1c15261>
157. Yamaguchi, M., Dimroth, F., Geisz, J., & Ekins-Daukes, N. (2021). Multi-junction solar cells paving the way for super high-efficiency. *Journal of Applied Physics*, 129(24). <https://doi.org/10.1063/5.0048653>
158. Yang, W., Feng, Y., He, H., & Yang, Z. (2018). Environmentally-friendly extraction of cellulose nanofibers from steam-explosion pretreated sugar beet pulp. *Materials*, 11(7), 1160. <https://doi.org/10.3390/ma11071160>
159. Yang, X. and Berglund, L. (2020). Structural and ecofriendly holocellulose materials from wood: microscale fibers and nanoscale fibrils. *Advanced Materials*, 33(28). <https://doi.org/10.1002/adma.202001118>
160. Yin, L., Huang, W., Xiao, R., Wei, P., Zhu, Y., Zhang, Y., ... & Yang, D. (2020). Optically stimulated synaptic devices based on the hybrid structure of silicon nanomembrane and perovskite. *Nano Letters*, 20(5), 3378-3387. <https://doi.org/10.1021/acs.nanolett.0c00298>
161. Yoshimoto, S., Ohashi, F., & Kameyama, T. (2004). Simple preparation of sulfate anion-doped polyaniline-clay nanocomposites by an environmentally friendly mechanochemical synthesis route. *Macromolecular Rapid Communications*, 25(19), 1687-1691. <https://doi.org/10.1002/marc.200400299>
162. Yu, P., Tsai, C., Chang, J., Lai, C., Chen, P., Lai, Y., ... & Meng, H. (2013). 13% efficiency hybrid organic/silicon-nanowire heterojunction solar cell via interface engineering. *Acs Nano*, 7(12), 10780-10787. <https://doi.org/10.1021/nn403982b>
163. Zahid, M., Anum, R., Siddique, S., Shakir, M., & Rehan, Z. (2021). Polyaniline-based nanocomposites for electromagnetic interference shielding applications: a review. *Journal of Thermoplastic Composite Materials*, 36(4), 1717-1761. <https://doi.org/10.1177/08927057211022408>
164. Zhang, J., Wang, Y., & Hu, S. (2014). Preparation of visible light responsive carbon doped titania catalyst via simple sol-gel method. *Asian Journal of Chemistry*, 26(8), 2373-2376. <https://doi.org/10.14233/ajchem.2014.16007>
165. Zhang, M. (2017). Sucrose metabolism for cellulose biosynthesis in colored cotton fibers. *The Pakistan Journal of Agricultural Sciences*, 54(01), 51-56. <https://doi.org/10.21162/pakjas/17.3681>

166. Zhao, D., Zhu, Y., Cheng, W., Chen, W., Wu, Y., & Yu, H. (2020). Cellulose-based flexible functional materials for emerging intelligent electronics. *Advanced Materials*, 33(28). <https://doi.org/10.1002/adma.202000619>
167. Zhao, H., Dong, Y., Sun, P., Bai, Y., Ru, C., Wu, X., ... & Pan, X. (2022). Effect of d/a ratio on photocatalytic hydrogen evolution performance of conjugated polymer photocatalysts. *Acs Applied Energy Materials*, 5(4), 4631-4640. <https://doi.org/10.1021/acsaem.2c00017>
168. Zheng, Z., Wang, J., Bi, P., Ren, J., Wang, Y., Yang, Y., ... & Hou, J. (2022). Tandem organic solar cell with 20.2% efficiency. *Joule*, 6(1), 171-184. <https://doi.org/10.1016/j.joule.2021.12.017>
169. Zhou, X., Li, X., Yan, Y., Zhang, F., Zhou, J., Lin, T., ... & Xu, D. (2022). Improved current density and fill factor of non-fullerene organic solar cells prepared under solvent vapor atmosphere. *Solar RRL*, 6(9). <https://doi.org/10.1002/solr.202200424>
170. Številová, N., Cigasova, J., Estokova, A., Terpáková, E., Geffert, A., Kačík, F., ... & Holub, M. (2014). Properties characterization of chemically modified hemp hurds. *Materials*, 7(12), 8131-8150. <https://doi.org/10.3390/ma7128131>