





Additions since Stiepel et al.

(<https://aiche.onlinelibrary.wiley.com/doi/full/10.1002/btm2.10421>)

- Silver NPs (1889)
 - Nowack B, Krug HF, Height M. 120 years of nanosilver history: implications for policy makers. *Environ Sci Technol*. 2011 Feb 15;45(4):1177-83.
- Polymer drug conjugate (1955)
 - Pradip Thakor, Valamla Bhavana, Reena Sharma, Saurabh Srivastava, Shashi Bala Singh, Neelesh Kumar Mehra. Polymer–drug conjugates: recent advances and future perspectives. *Drug Discovery Today*. Volume 25, Issue 9. 2020. Pages 1718-1726.
- Antibody-drug conjugates (1957)
 - Fu, Z., Li, S., Han, S. et al. Antibody drug conjugate: the “biological missile” for targeted cancer therapy. *Sig Transduct Target Ther* 7, 93 (2022).
- 3D Printing (1971)
 - <https://patents.google.com/patent/US3596285A/en>
- Microvesicles (1975)
 - <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8681215/>
- Membrane coated particles (1981)
 - E. Evans, K. Buxbaum. Affinity of red blood cell membrane for particle surfaces measured by the extent of particle encapsulation. *Biophysical Journal*, Volume 34, Issue 1, 1981, Pages 1-12.
- Janus particles (1989)
 - C. Casagrande, P. Fabre, E. Raphaël, and M. Veyssié. "Janus Beads": Realization and Behaviour at Water/Oil Interfaces. *EPL* 9 251. DOI 10.1209/0295-5075/9/3/011
- Cell Backpack (2008)
 - Swiston AJ, Cheng C, Um SH, Irvine DJ, Cohen RE, Rubner MF. Surface functionalization of living cells with multilayer patches. *Nano Lett*. 2008 Dec;8(12):4446-53.
- Heteromultivalent Nanoparticles (2012)
 - <https://patents.google.com/patent/US9107963B2/en>