



INTRODUCTION

The **ScienceDirect TOP25 Hottest Articles** is a free quarterly service from ScienceDirect. When you subscribe to the **ScienceDirect TOP25**, you'll receive an e-mail every three months listing the ScienceDirect users' 25 most frequently downloaded journal articles, from any selected journal among more than 2,000 titles in the ScienceDirect database, or from any of 24 subject areas.

Now you can keep track of the latest trends in your speciality and find out what your colleagues are reading. A simple click on any of the listed articles will take you to the journal abstract, and of course, you have the option to download any article straight to your desktop, depending on your access rights.

Read more about [how the TOP25 is generated](#) and what it reflects.



**HOTTEST
ARTICLES
ON ScienceDirect**

Check out the ScienceDirect TOP25 Hottest Articles within your area of interest.

Subject Area:

Journal:

With these drop-down menus, the ScienceDirect TOP25 Hottest Articles are selected. Please refine your selection if necessary. To see the overall TOP25 within a certain subject area or journal, please select 'all subjects' or 'all journals' from the drop-down menus.

TOP25 articles within the journal: Journal of Colloid and Interface Science

- [Polymer-surfactant and protein-surfactant interactions](#) • Article
Journal of Colloid and Interface Science
La Mesa, C.
- [Magnetite nanoparticles with tunable gold or silver shell](#) • Article
Journal of Colloid and Interface Science
Mandal, M.; Kundu, S.; Ghosh, S.K.; Panigrahi, S.; Sau, T.K.; Yusuf, S.M.; Pal, T.
- [Functionalization of single layers and nanofibers: a new strategy to produce polymer nanocomposites with optimized properties](#) • Article
Journal of Colloid and Interface Science
Wypych, F.; Satyanarayana, K.G.

SIGN UP!

Would you like to be kept posted on the latest **TOP25 ARTICLES** within **Journal of Colloid and Interface Science**?



SIGN UP!
for the e-mail service
CLICK HERE

[Poly\(ethylene glycol\) in the formation of silver](#) • Article

Journal of Colloid and Interface Science, Volume 288, Issue 2, 1 July 2005, Pages 444-448
Jiang, Y.; Zeng, X.; Zeng, Y.; Wang, Y.

[Silver nanoparticles and the mechanisms of formation of silver](#) • Article
[different morphologies in homogeneous solutions](#)

Journal of Colloid and Interface Science, Volume 288, Issue 2, 1 July 2005, Pages 489-495
Sankar, I.; Matijevic, E.; Goia, D.V.

[In situ phase separation of carbon nanotubes in polymer films](#) • Article

Journal of Colloid and Interface Science, Volume 287, Issue 1, 1 July 2005, Pages 167-172
Sankar, I.; Kattumenu, R.; Bliznyuk, V.

[pH-induced changes in cement-stabilized waste during comparison of SEM/EDX data with predictions from chemical speciation modeling](#) • Article

Journal of Colloid and Interface Science
Liu, L.J.J.; Martin, F.; Bollinger, J.-C.

[Adsorption of As\(III\) from aqueous solutions by iron](#) • Article
[oxide](#)

Journal of Colloid and Interface Science, Volume 288, Issue 1, 1 July 2005, Pages 55-60
Sudhakar, V.; Saini, V.K.; Jain, N.

- [Adsorption of phenols from wastewater](#) • Article

Journal of Colloid and Interface Science, Volume 287, Issue 1, 1 July 2005, Pages 14-24
Ahmaruzzaman, M.; Sharma, D.K.

- [An explanation of dispersion states of single-walled carbon](#)

- [nanotubes in solvents and aqueous surfactant solutions using solubility parameters](#) • Article
Journal of Colloid and Interface Science
Ham, H.T.; Choi, Y.S.; Chung, I.J.
11. [Removal of dyes from colored textile wastewater by orange peel adsorbent: Equilibrium and kinetic studies](#) • Article
Journal of Colloid and Interface Science, Volume 288, Issue 2, 1 August 2005, Pages 371-376
Arami, M.; Limaee, N.Y.; Mahmoodi, N.M.; Tabrizi, N.S.
12. [Silica coating of silver nanoparticles using a modified Stober method](#) • Article
Journal of Colloid and Interface Science
Kobayashi, Y.; Katakami, H.; Mine, E.; Nagao, D.; Konno, M.; Liz-Marzan, L.M.
13. [High dispersion and electrocatalytic properties of palladium nanoparticles on single-walled carbon nanotubes](#) • Article
Journal of Colloid and Interface Science
Guo, D.-J.; Li, H.-L.
14. [Preparation of nanosized gold particles in a biopolymer using UV photoactivation](#) • Article
Journal of Colloid and Interface Science, Volume 288, Issue 2, 1 August 2005, Pages 396-401
Pal, A.; Esumi, K.; Pal, T.
15. [Synthesis of monodisperse fluorescent core-shell silica particles using a modified Stober method for imaging individual particles in dense colloidal suspensions](#) • Article
Journal of Colloid and Interface Science, Volume 288, Issue 1, 1 August 2005, Pages 114-123
Lee, M.H.; Beyer, F.L.; Furst, E.M.
16. [Adsorption mechanism of synthetic reactive dye wastewater by chitosan](#) • Article
Journal of Colloid and Interface Science
Sakkayawong, N.; Thiravetyan, P.; Nakbanpote, W.
17. [The physical and surface chemical characteristics of activated carbons and the adsorption of methylene blue from wastewater](#) • Article
Journal of Colloid and Interface Science
Wang, S.; Zhu, Z.H.; Coomes, A.; Haghseresht, F.; Lu, G.Q.
18. [Design and characterization of a new drug nanocarrier made from solid-liquid lipid mixtures](#) • Article
Journal of Colloid and Interface Science
Garcia-Fuentes, M.; Alonso, M.J.; Torres, D.
19. [Adsorption and desorption of copper and zinc in the surface layer of acid soils](#) • Article
Journal of Colloid and Interface Science, Volume 288, Issue 1, 1 August 2005, Pages 21-29
Arias, M.; Perez-Novo, C.; Osorio, F.; Lopez, E.; Soto, B.
20. [The removal of heavy metal cations by natural zeolites](#) • Article
Journal of Colloid and Interface Science
Erdem, E.; Karapinar, N.; Donat, R.
21. [Self-assembly of synthetic hydroxyapatite nanorods into an enamel prism-like structure](#) • Article
Journal of Colloid and Interface Science, Volume 288, Issue 1, 1 August 2005, Pages 97-103
Chen, H.; Clarkson, B.H.; Sun, K.; Mansfield, J.F.
22. [Dispersion and aggregation of nanoparticles derived from colloidal droplets under low-pressure conditions](#) • Article
Journal of Colloid and Interface Science, Volume 288, Issue 2, 1 August 2005, Pages 423-431
Wang, W.N.; Lenggoro, I.W.; Okuyama, K.
23. [Equilibrium, kinetics, mechanism, and process design for the sorption of methylene blue onto rice husk](#) • Article
Journal of Colloid and Interface Science
Vadivelan, V.; Kumar, K.V.
24. [Effects of pH and ionic strength on the adsorption of phosphate and arsenate at the goethite-water interface](#) • Article
Journal of Colloid and Interface Science
Antelo, J.; Avena, M.; Fiol, S.; Lopez, R.; Arce, F.
25. [Silver nanoparticles as antimicrobial agent: a case study on E.](#)

[Coli as a model for Gram-negative bacteria](#) • Article

Journal of Colloid and Interface Science

Sondi, I.; Salopek-Sondi, B.



**Do you want to search in other fields of interest?
Just go to the [top of the page](#) and use the drop-down menus to
select another TOP25.**