

Bacterial Adhesion

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Recent Publications on Bacterial Adhesion:

- [Spatially controlled bacterial adhesion using surface-patterned poly\(ethylene glycol\) hydrogels.](#)
*We constructed surface-patterned hydrogels using low-energy focused...*10th October, 2008
Department of Chemical Engineering and Materials Science, Stevens- Acta Biomater. 2008 Sep 21. ([DOI Direct Link](#))
- [Successful treatment of spondylodiscitis using titanium cages: a 3-year follow-up of 22 consecutive patients.](#)
*BACKGROUND AND PURPOSE: The use of metal implants in large defects caused...*10th October, 2008
Spine Unit, Centre for Trauma- and Reconstructive Surgery, Charite-Campus- Acta Orthop. 2008 Oct;79(5):660-4. ([DOI Direct Link](#))
- [Titanium with Surface-Grafted Dextran and Immobilized Bone Morphogenetic Protein-2 for Inhibition of Bacterial Adhesion and Enhancement of Osteoblast Functions.](#)
*Failure of bone and joint implants has been attributed mainly to poor...*8th October, 2008
Department of Chemical and Biomolecular Engineering, National University- Tissue Eng Part A. 2008 Oct 6. ([DOI Direct Link](#))
- [Residence time dependent desorption of Staphylococcus epidermidis from hydrophobic and hydrophilic substrata.](#)
*Adhesion and desorption are simultaneous events during bacterial adhesion...*7th October, 2008
Department of Biomedical Engineering, University Medical Center Groningen- Colloids Surf B Biointerfaces. 2008 Sep 2. ([DOI Direct Link](#))
- [Forces involved in bacterial adhesion to hydrophilic and hydrophobic surfaces.](#)
*Using a parallel-plate flow chamber, the hydrodynamic shear forces to...*4th October, 2008
Department of Biomedical Engineering, University Medical Center Groningen- Microbiology. 2008 Oct;154(Pt 10):3122-33. ([DOI Direct Link](#))
- [Silk-functionalized titanium surfaces for enhancing osteoblast functions and reducing bacterial adhesion.](#)
*It would be ideal to have implants which can simultaneously inhibit...*3rd October, 2008
Department of Chemical and Biomolecular Engineering, National University- Biomaterials. 2008 Sep 29. ([DOI Direct Link](#))
- [A conserved domain of previously unknown function in Gap1 mediates protein-protein interaction and is required for biogenesis of a serine-rich streptococcal adhesin.](#)
*Summary Fap1-like serine-rich proteins are a new family of bacterial...*2nd October, 2008
Department of Pediatric Dentistry, Schools of Dentistry and Medicine, - Mol Microbiol. 2008 Sep 30. (

[DOI Direct Link](#))

- [\[Inhibition of bacterial adhesion and prevention of biofilm formation: Use of organic self-assembled monolayers on inorganic surfaces.\]](#)
*Implant related nosocomial infections are a serious public health concern....*1st October, 2008
UMR 5253, CC 1701, universite Montpellier-2, institut- Pathol Biol (Paris). 2008 Sep 26. ([DOI Direct Link](#))
- [Capture of bacteria by flexible carbon nanotubes.](#)
*Capture of bacteria with flexible carbon nanotubes (CNTs) was done in...*1st October, 2008
Department of Biomedical, Dental Materials and Engineering, Graduate- Acta Biomater. 2008 Sep 9. ([DOI Direct Link](#))
- [Biochemical composition of the marine conditioning film: implications for bacterial adhesion.](#)
*The conditioning film formed on glass panels was analysed for total...*30th September, 2008
Marine Corrosion and Material Research Division, National Institute of- Biofouling. 2008 Oct 6:1-7. ([DOI Direct Link](#))
- [Experimental and QSAR of acetophenones as antibacterial agents.](#)
*Antibacterial activity of 20 acetophenone derivatives was evaluated...*30th September, 2008
Department of Biotechnology, Indian Institute of Technology Madras,- Chem Biol Drug Des. 2008 Oct;72(4):303-13. ([DOI Direct Link](#))
- [Dentinal tubule invasion and adherence by Enterococcus faecalis.](#)
*AIM: To investigate dentinal tubule invasion and the predilection of...*30th September, 2008
School of Dental Science, University of Melbourne, Melbourne, Australia.- Int Endod J. 2008 Oct;41(10):873-82. ([DOI Direct Link](#))
- [Influence of a chitosan on oral bacterial adhesion and growth in vitro.](#)
*Generally, mechanical plaque control without chemical support is...*30th September, 2008
Department of Biomedical Engineering, University Medical Center Groningen- Eur J Oral Sci. 2008 Oct;116(5):493-5. ([DOI Direct Link](#))
- [Ultra low fouling zwitterionic polymers with a biomimetic adhesive group.](#)
*Biomimetic polymers with a zwitterionic moiety for ultra low fouling and a...*30th September, 2008
Department of Chemical Engineering, University of Washington, Seattle, WA- Biomaterials. 2008 Sep 24. ([DOI Direct Link](#))
- [The inhibition of Staphylococcus epidermidis biofilm formation by vancomycin-modified titanium alloy and implications for the treatment of periprosthetic infection.](#)
*Peri-prosthetic infections are notoriously difficult to treat as the...*26th September, 2008
Department of Orthopaedic Surgery, Thomas Jefferson University,- Biomaterials. 2008 Sep 22. ([DOI Direct Link](#))

Bacterial Adhesion Clinical Trials:



- [The Effects of Cranberry Juice on Bacterial Adhesion](#)
Bacterial Vaginosis; Oxaluria



Bacterial Adhesion Patents:

- 7250172- [Vaccine and compositions for the prevention and treatment of neisserial infections](#)
- 7294352- [Matrix protein composition for treating inflammation](#)
- 7303772- [Synergistic phytoceutical compositions](#)
- 7311690- [Implantable fluid management system for the removal of excess fluid](#)
- 7318926- [Glycosylated specificity exchangers](#)
- 7320793- [Molecular antigen array](#)
- 7320870- [Ocular tear growth factor-like protein](#)
- 7322965- [Infection-resistant medical devices](#)
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- 7326541- [Fragments and variants of Staphylococcus aureus DNAG primase, and uses thereof](#)
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- 7291722- [Polypeptide from haemophilus influenza](#)
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- 7250285- [Purified polypeptides from Streptococcus pneumoniae](#)
- 7250494- [Opsonic monoclonal and chimeric antibodies specific for lipoteichoic acid of Gram positive bacteria](#)
- 7262047- [Bacillus pumilus SAFR-032 isolate](#)
- 7264810- [Molecular antigen array](#)
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- 7368169- [Hydrazide compounds with angiogenic activity](#)
- 7432366- [Moraxella catarrhalis BASB034 polypeptides and used thereof](#)

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