

# Wheelchairs

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## Recent Publications on Wheelchairs:

- [Quantifying Wheelchair Activity of Children: A Pilot Study.](#)  
*Cooper RA, Tolerico M, Kaminski BA, Spaeth D, Ding D, Cooper R:...*27th November, 2008  
From the Human Engineering Research Laboratories, VA Pittsburgh Healthcare- Am J Phys Med Rehabil. 2008 Dec;87(12):977-983. ([DOI Direct Link](#))
- ["I have chosen to live life abundantly": perceptions of leisure by adults who use augmentative and alternative communication.](#)  
*An online focus group was used to investigate perceptions of eight adults...*19th November, 2008  
Department of Recreation, Park and Tourism Management, The Pennsylvania- Augment Altern Commun. 2008 Mar;24(1):16-28.
- [Biomechanic evaluation of upper-extremity symmetry during manual wheelchair propulsion over varied terrain.](#)  
*OBJECTIVE: To evaluate upper-extremity symmetry during wheelchair...*19th November, 2008  
College of Medicine, Department of Orthopedic Research, Mayo Clinic,- Arch Phys Med Rehabil. 2008 Oct;89(10):1996-2002. ([DOI Direct Link](#))
- [Evaluation of a stair-climbing power wheelchair in 25 people with tetraplegia.](#)  
*OBJECTIVE: To compare the performance of a power wheelchair with...*19th November, 2008  
Unite de Medecine Physique et de Readaptation, Hopital Raymond Poincare,- Arch Phys Med Rehabil. 2008 Oct;89(10):1958-64. ([DOI Direct Link](#))
- [The relationship between consistency of propulsive cycles and maximum angular velocity during wheelchair racing.](#)  
*The purposes of this study were to examine the consistency of wheelchair...*19th November, 2008  
Division of Physical Therapy, Georgia State University, Atlanta, GA, USA.- J Appl Biomech. 2008 Aug;24(3):280-7.
- [Peers as resources for learning: a situated learning approach to adapted physical activity in rehabilitation.](#)  
*The purpose of this study was to investigate the learning that takes place...*19th November, 2008  
Department of Physical Education at the Norwegian School of Sport Sciences- Adapt Phys Activ Q. 2008 Jul;25(3):208-27.
- [Physical activity and quality of life experienced by highly active individuals with physical disabilities.](#)  
*The present study examined links between physical activity and quality of...*19th November, 2008  
Department of Applied Physiology and Kinesiology at the University of- Adapt Phys Activ Q. 2008 Jul;25(3):189-207.
- [Power-assisted wheels ease energy costs and perceptual responses to wheelchair propulsion in](#)

[persons with shoulder pain and spinal cord injury.](#)

*OBJECTIVE: Test effects of pushrim-activated power-assisted wheelchairs...* 11th November, 2008  
Department of Neurological Surgery, Miller School of Medicine, University- Arch Phys Med Rehabil. 2008 Nov;89(11):2080-5. ([DOI Direct Link](#))

- [Reinventing the wheelchair.](#)

*Hurd WJ, Morrow MMB, Kaufman KR, An K-N: Influence of varying level...* 7th November, 2008  
Getting Residents Out of Wheelchairs Coalition, Mundelein, IL, USA.- Provider. 2008 Jun;34(6):55-8.

- [Sitting Pressure in the Tilted Position: Manual Tilt-in-Space Wheelchair vs. Manual Wheelchair with a New Rear Antitip Device.](#)

*MacDonald B, Kirby RL, Smith C, MacLeod DA, Webber A: Sitting pressure in...* 31st October, 2008  
Affiliations: From the Division of Physical Medicine and Rehabilitation,- Am J Phys Med Rehabil. 2008 Oct 25. ([DOI Direct Link](#))

- [Fundamental locomotive activity time efficiency with differently positioning drive-axis wheelchairs among elders.](#)

*This study examined time efficiency in wheelchair locomotive activities...* 29th October, 2008  
Physical Therapy Department, Georgia State University, Atlanta, GA, USA.- Adapt Phys Activ Q. 2008 Oct;25(4):322-34.

- [Outcomes of bladder neck closure for intractable urinary incontinence in patients with neurogenic bladders.](#)

*OBJECTIVE: Recent reports of outcomes of bladder neck closure for...* 25th October, 2008  
David Geffen School of Medicine at the University of California, Los- J Pediatr Urol. 2006 Dec;2(6):528-33. Epub 2006 Jan 25. ([DOI Direct Link](#))

- [Towards an instrument targeting mobility-related participation: Nordic cross-national reliability.](#)

*OBJECTIVE: To investigate test-retest reliability and internal consistency...* 22nd October, 2008  
Department of Research & Development, Danish Centre for Assistive- J Rehabil Med. 2008 Oct;40(9):766-72. ([DOI Direct Link](#))

- [A preliminary study on the impact of pushrim-activated power-assist wheelchairs among individuals with tetraplegia.](#)

*OBJECTIVES: This preliminary study was to evaluate the impact of pushrim-...* 3rd October, 2008  
Department of Rehabilitation Science, University of Pittsburgh,- Am J Phys Med Rehabil. 2008 Oct;87(10):821-9. ([DOI Direct Link](#))

- [Influence of varying level terrain on wheelchair propulsion biomechanics.](#)

*Hurd WJ, Morrow MMB, Kaufman KR, An K-N: Influence of varying level...* 1st October, 2008  
From the Department of Orthopaedic Research, Mayo Clinic College of- Am J Phys Med Rehabil. 2008 Dec;87(12):984-91. ([DOI Direct Link](#))

## BioNews Results for Wheelchairs

- [Anti-cancer cooking classes start](#)

*North County Times: Oct 28 2008 2:02AM Matching: wheelchairs*

## Wheelchairs Clinical Trials:



- [Use of "Smart Wheelchairs" to Provide Independent Mobility to Visual and Mobility Impairments](#)



**Wheelchairs Patents:**

- 7410082- [Vehicle rack](#)
- 7425110- [Vehicular wheelchair docking and capture apparatus](#)
- 7426970- [Articulated wheel assemblies and vehicles therewith](#)
- 7427078- [Wheelchair swing away system](#)
- 7428760- [Lifting mechanism and health care equipment that incorporates the lifting mechanism](#)
- 7428980- [Parcel collection device](#)
- 7429080- [Seat with adjustable support system](#)
- 7429155- [Wheelchair-fixing device, wheelchair-loadable vehicle, and wheelchair system](#)
- 7429977- [Joystick controller](#)
- 7430775- [Vehicle ramp](#)
- 7431110- [High-torque gear assembly for personal mobility apparatus](#)
- 7425010- [Mount for a wheelchair footrest](#)
- 7425007- [Wheelchair and operating means for use in such a wheelchair](#)
- 7425005- [Suspensions for low floor vehicles](#)
- 7411521- [Control system](#)
- 7412942- [Personnel location control system with informational message presentation](#)
- 7413038- [Anti-tip system for a power wheelchair](#)
- 7413153- [Removable fastening system](#)
- 7414400- [Detection of ferromagnetic objects approaching a magnet](#)
- 7418085- [Special needs digital notification and response system](#)
- 7419176- [Stand-up wheelchair](#)
- 7419182- [Mobility aid](#)
- 7419508- [Light prosthesis](#)
- 7422408- [Lighted vehicle access system and method](#)
- 7432807- [Method for protecting a medical device](#)
- 7434282- [Cellular cushions and methods of fabricating](#)
- 7445416- [Wheelchair lift with slidable support arm](#)
- 7448632- [Adjustable triage handcart](#)
- 7448633- [Pediatric assistance device](#)
- 7451512- [Bridging device](#)
- 7451918- [Booth for performing financial transactions](#)
- 7451937- [Thermostat with handicap access mode](#)
- 7451992- [Mobile support assembly](#)
- 7452159- [Method of making a multi-layered structure for tree well skirt and sidewalks](#)
- 7452170- [Restraint system](#)
- 7455309- [Automatically engaging safety device for a wheelchair or other medical device](#)
- 7445228- [Collapsible structure system](#)
- 7445217- [Walk aid](#)
- 7445069- [Vehicle control unit and vehicle](#)
- 7434815- [Stair climbing wheelchair carrier](#)

- 7434824- [Automatic wheelchair brake system and wheelchair including same](#)
- 7437202- [System and method for control scheduling](#)
- 7437787- [Load-cell based hospital bed control](#)
- 7437789- [Lumbar back support device](#)
- 7438222- [Card reading arrangement including robotic card handling responsive to card sensing](#)
- 7438363- [Wheelchair bridge](#)
- 7438849- [Titanium alloy and process for producing the same](#)
- 7441914- [Phosphorescent charging system for wheeled vehicles having phosphorescent wheels](#)
- 7442266- [High-strength titanium alloy and method for production thereof](#)
- 7455490- [Wheelchair holding device](#)

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