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# Bose-Einstein Condensates

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## ▶ TOP PAPERS

- Top 20 papers overall

### ▶▶▶ Article 1

Total Cites: 2048

Article Title: OBSERVATION OF BOSE-EINSTEIN CONDENSATION IN A DILUTE ATOMIC VAPOR

Authors: Anderson, MH, Ensher, JR, Matthews, MR, Wieman, CE, Cornell, EA

Journal: SCIENCE

Volume: 269

Page: 198-201

Year: 1995

Addresses:

- UNIV COLORADO, NATL INST STAND & TECHNOL, JOINT INST LAB ASTROPHYS, DIV QUANTUM PHYS, BOULDER, CO, USA
- UNIV COLORADO, DEPT PHYS, BOULDER, CO, USA

### ▶▶▶ Article 2

[Special Topics Interview](#) by: [Ketterle, W](#)

[Fast Breaking Comments](#) by: [Ketterle, W](#) - (from Dec. 2003)

[Science Watch® Interview](#) by: [Ketterle, W](#) - (from Jan/Feb 1999)

Total Cites: 1636

Article Title: BOSE-EINSTEIN CONDENSATION IN A GAS OF SODIUM ATOMS

Authors: Davis, KB, Mewes, MO, Andrew, MR, Vandruten, NJ, Durfee, DS, Kurn, DM,

[Ketterle, W](#) | [see also](#) | [see also](#)

Journal: PHYSICAL REVIEW LETTERS

Volume: 75

Page: 3969-3973

Year: 1995

Addresses:

- MIT, DEPT PHYS, CAMBRIDGE, MA, USA
- MIT, ELECTR RES LAB, CAMBRIDGE, MA, USA

### ▶▶▶ Article 3

[Special Topics Interview](#) by: [Hulet, RG](#)

 **Special Topics Interview** by: [Sackett, CA](#)

Total Cites: 1262

Article Title: EVIDENCE OF BOSE-EINSTEIN CONDENSATION IN AN ATOMIC GAS WITH ATTRACTIVE INTERACTIONS

Authors: Bradley, CC, [Sackett, CA](#), Tollett, JJ, [Hulet, RG](#)

Journal: PHYSICAL REVIEW LETTERS

Volume: 75

Page: 1687-1690

Year: 1995

Addresses:

- RICE UNIV, DEPT PHYS, HOUSTON, TX, USA
- RICE UNIV, RICE QUANTUM INST, HOUSTON, TX, USA

 **\*\*\*Article 4** **Special Topics Interview** by: [Dalfovo, F, Giorgini, S, Pitaevskii, LP, Stringari, S](#)

Total Cites: 912

Article Title: THEORY OF BOSE-EINSTEIN CONDENSATION IN TRAPPED GASES

Authors: [Dalfovo, F, Giorgini, S, Pitaevskii, LP, Stringari, S](#)

Journal: REVIEWS OF MODERN PHYSICS

Volume: 71

Page: 463-512

Year: 1999

Addresses:

- Univ Trent, Dipartimento Fis, I-38050 Povo, Italy
- Univ Trent, Dipartimento Fis, I-38050 Povo, Italy
- Ist Nazl Fis Mat, I-38050 Povo, Italy
- Technion Israel Inst Technol, Dept Phys, IL-32000 Haifa, Israel
- Kapitza Inst Phys Problems, Moscow 117334, Russia

 **\*\*\*Article 5**

Total Cites: 540

Article Title: BOSE-EINSTEIN CONDENSATION OF LITHIUM: OBSERVATION OF LIMITED CONDENSATE NUMBER

Authors: Bradley, CC, [Sackett, CA](#), [Hulet, RG](#)

Journal: PHYSICAL REVIEW LETTERS

Volume: 78

Page: 985-989

Year: 1997

Addresses:

- RICE UNIV, DEPT PHYS, HOUSTON, TX, USA
- RICE UNIV, RICE QUANTUM INST, HOUSTON, TX, USA

 **\*\*\*Article 6**

Total Cites: 430

Article Title: OBSERVATION OF INTERFERENCE BETWEEN TWO BOSE CONDENSATES

Authors: Andrews, MR, Townsend, CG, Miesner, HJ, Durfee, DS, Kurn, DM, [Ketterle, W](#)  
- [see also](#)

Journal: SCIENCE

Volume: 275

Page: 637-641

Year: 1997

Addresses:

- MIT, DEPT PHYS, CAMBRIDGE, MA, USA

· MIT, ELECT RES LAB, CAMBRIDGE, MA, USA

▶▶▶ Article 7

 **Special Topics Interview** by: [Baym, G](#) and [Pethick, CJ](#)

Total Cites: 366

Article Title: GROUND-STATE PROPERTIES OF MAGNETICALLY TRAPPED BOSE-CONDENSED RUBIDIUM GAS

Authors: [Baym, G](#), [Pethick, CJ](#)

Journal: PHYSICAL REVIEW LETTERS

Volume: 76

Page: 37781

Year: 1996

Addresses:

- UNIV ILLINOIS, DEPT PHYS, 1110 W GREEN ST, URBANA, IL, USA
- NORDITA, DK-2100 COPENHAGEN O, DENMARK
- UNIV WASHINGTON, INST NUCL THEORY, SEATTLE, WA, USA

▶▶▶ Article 8

Total Cites: 345

Article Title: LIGHT SPEED REDUCTION TO 17 METRES PER SECOND IN AN ULTRACOLD ATOMIC GAS

Authors: Hau, LV, Harris, SE, Dutton, Z, Behroozi, CH

Journal: NATURE

Volume: 397

Page: 594-598

Year: 1999

Addresses:

- Rowland Inst Sci Inc, 100 Edwin H Land Blvd, Cambridge, MA, USA
- Rowland Inst Sci Inc, Cambridge, MA, USA
- Harvard Univ, Dept Phys, Cambridge, MA, USA
- Harvard Univ, Div Engr & Appl Sci, Cambridge, MA, USA
- Stanford Univ, Edward L Ginzton Lab, Stanford, CA, USA

▶▶▶ Article 9

Total Cites: 343

Article Title: OUTPUT COUPLER FOR BOSE-EINSTEIN CONDENSED ATOMS

Authors: Mewes, MO, Andrews, MR, Kurn, DM, Durfee, DS, Townsend, CG, [Ketterle, W](#)  
| [see also](#) | [see also](#)

Journal: PHYSICAL REVIEW LETTERS

Volume: 78

Page: 582-585

Year: 1997

Addresses:

- MIT, DEPT PHYS, CAMBRIDGE, MA, USA
- MIT, ELECT RES LAB, CAMBRIDGE, MA, USA

▶▶▶ Article 10

Total Cites: 322

Article Title: PRODUCTION OF TWO OVERLAPPING BOSE-EINSTEIN CONDENSATES BY SYMPATHETIC COOLING

Authors: Myatt, CJ, Burt, EA, Ghrist, RW, Cornell, EA, Wieman, CE

Journal: PHYSICAL REVIEW LETTERS

Volume: 78

Page: 586-589

Year: 1997

Addresses:

- UNIV COLORADO, JOINT INST LAB ASTROPHYS, BOULDER, CO, USA
- UNIV COLORADO, DEPT PHYS, BOULDER, CO, USA
- NATL INST STAND & TECHNOL, BOULDER, CO, USA

▶▶▶\*\*\*Article 11

Total Cites: 320

Article Title: VORTICES IN A BOSE-EINSTEIN CONDENSATE

Authors: Matthews, MR, Anderson, BP, Haljan, PC, Hall, DS, Wieman, CE, Cornell, EA

Journal: PHYSICAL REVIEW LETTERS

Volume: 83

Page: 2498-2501

Year: 1999

Addresses:

- Univ Colorado, Natl Inst Stand & Technol, Joint Inst Lab Astrophys, Boulder, CO, USA
- Univ Colorado, Natl Inst Stand & Technol, Joint Inst Lab Astrophys, Boulder, CO, USA
- Univ Colorado, Dept Phys, Boulder, CO, USA

▶▶▶\*\*\*Article 12

Total Cites: 311

Article Title: VORTEX FORMATION IN A STIRRED BOSE-EINSTEIN CONDENSATE

Authors: Madison, KW, Chevy, F, Wohlleben, W, Dalibard, J

Journal: PHYSICAL REVIEW LETTERS

Volume: 84

Page: 806-809

Year: 2000

Addresses:

- Ecole Normale Super, Dept Phys, Lab Kastler Brossel, 24 Rue Lhomond, F-75005 Paris, France
- Ecole Normale Super, Dept Phys, Lab Kastler Brossel, F-75005 Paris, France

▶▶▶\*\*\*Article 13

Total Cites: 309

Article Title: COLLECTIVE EXCITATIONS OF A BOSE-EINSTEIN CONDENSATE IN A DILUTE GAS

Authors: Jin, DS, Ensher, JR, Matthews, MR, Wieman, CE, Cornell, EA

Journal: PHYSICAL REVIEW LETTERS

Volume: 77

Page: 420-423

Year: 1996

Addresses:

- UNIV COLORADO, DEPT PHYS, BOULDER, CO, USA
- UNIV COLORADO, JOINT INST LAB ASTROPHYS, BOULDER, CO, USA

▶▶▶\*\*\*Article 14

Total Cites: 294

Article Title: OBSERVATION OF FESHBACH RESONANCES IN A BOSE-EINSTEIN CONDENSATE

Authors: Inouye, S, Andrews, MR, Stenger, J, Miesner, HJ, Stamper-kurn, DM, **Ketterle, W** | [see also](#) | [see also](#)

Journal: NATURE

Volume: 392

Page: 151-154

Year: 1998

Addresses:

- MIT, Dept Phys, Cambridge, MA, USA
- MIT, Dept Phys, Cambridge, MA, USA
- MIT, Elect Res Lab, Cambridge, MA, USA

▶▶▶\*\*\*Article 15

Total Cites: 292

Article Title: BOSE-EINSTEIN CONDENSATION IN A TIGHTLY CONFINING DC MAGNETIC TRAP

Authors: Mewes, MO, Andrews, MR, Vandruten, NJ, Kurn, DM, Durfee, DS, **Ketterle, W** | [see also](#) | [see also](#)

Journal: PHYSICAL REVIEW LETTERS

Volume: 77

Page: 416-419

Year: 1996

Addresses:

- MIT, DEPT PHYS, CAMBRIDGE, MA, USA
- MIT, RES LAB ELECT, CAMBRIDGE, MA, USA

▶▶▶\*\*\*Article 16

Total Cites: 290

Article Title: MACROSCOPIC QUANTUM INTERFERENCE FROM ATOMIC TUNNEL ARRAYS

Authors: Anderson, BP, Kasevich, MA

Journal: SCIENCE

Volume: 282

Page: 1686-1689

Year: 1998

Addresses:

- Yale Univ, Dept Phys, New Haven, CT, USA
- Yale Univ, Dept Phys, New Haven, CT, USA

▶▶▶\*\*\*Article 17

Total Cites: 278

Article Title: BOSE-EINSTEIN CONDENSATION OF ATOMIC HYDROGEN

Authors: Fried, DG, Killian, TC, Willmann, L, Landhuis, D, Moss, SC, Kleppner, D, Greytak, TJ

Journal: PHYSICAL REVIEW LETTERS

Volume: 81

Page: 3811-3814

Year: 1998

Addresses:

- MIT, Dept Phys, Cambridge, MA, USA
- MIT, Dept Phys, Cambridge, MA, USA
- MIT, Ctr Mat Sci & Engn, Cambridge, MA, USA

▶▶▶\*\*\*Article 18

Total Cites: 278

Article Title: COLLECTIVE EXCITATIONS OF A BOSE-EINSTEIN CONDENSATE IN A MAGNETIC TRAP

Authors: Mewes, MO, Andrews, MR, Vandruten, NJ, Kurn, DM, Durfee, DS, Townsend, CG, **Ketterle, W** | [see also](#) | [see also](#)

Journal: PHYSICAL REVIEW LETTERS

Volume: 77

Page: 988-991

Year: 1996

Addresses:

- MIT, DEPT PHYS, CAMBRIDGE, MA, USA
- MIT, ELECTR RES LAB, CAMBRIDGE, MA, USA

▶▶▶\*\*\*Article 19

Total Cites: 253

Article Title: ONSET OF FERMI DEGENERACY IN A TRAPPED ATOMIC GAS

Authors: Demarco, B, Jin, DS

Journal: SCIENCE

Volume: 285

Page: 1703-1706

Year: 1999

Addresses:

- Univ Colorado, Natl Inst Stand & Technol, Quantum Phys Div, Boulder, CO, USA
- Univ Colorado, Natl Inst Stand & Technol, Quantum Phys Div, Boulder, CO, USA
- Natl Inst Stand & Technol, Joint Inst Lab Astrophys, Boulder, CO, USA
- Univ Colorado, Dept Phys, Boulder, CO, USA

▶▶▶\*\*\*Article 20

Total Cites: 234

Article Title: BOSONS IN ANISOTROPIC TRAPS: GROUND STATE AND VORTICES

Authors: [Dalfovo, F](#), [Stringari, S](#)

Journal: PHYSICAL REVIEW A

Volume: 53

Page: 2477-2485

Year: 1996

Addresses:

- UNIV TRENT, DIPARTIMENTO FIS, I-38050 TRENT, ITALY
- IST NAZL FIS MAT, I-38050 TRENT, ITALY



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