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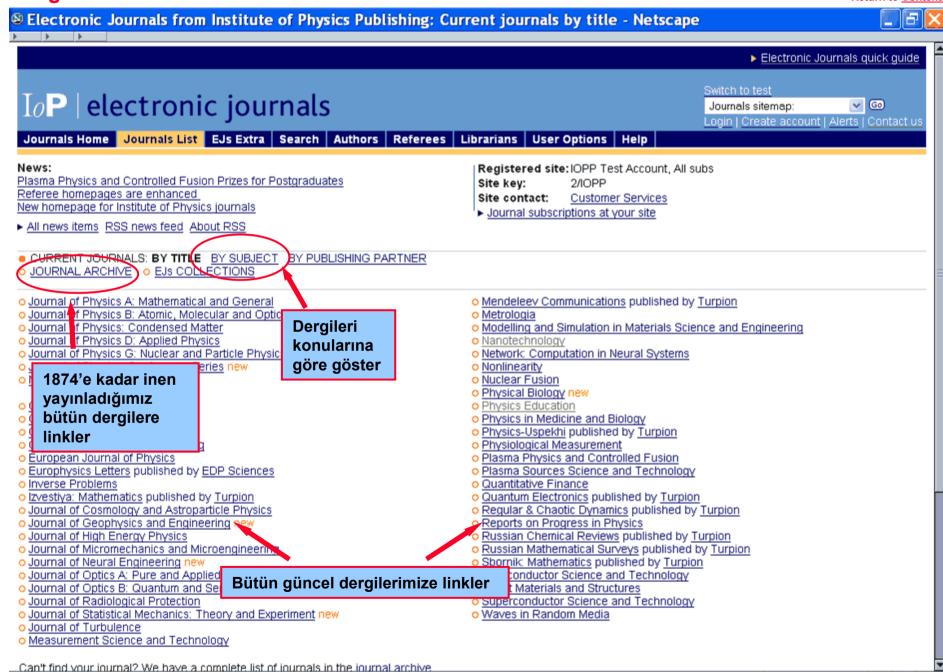
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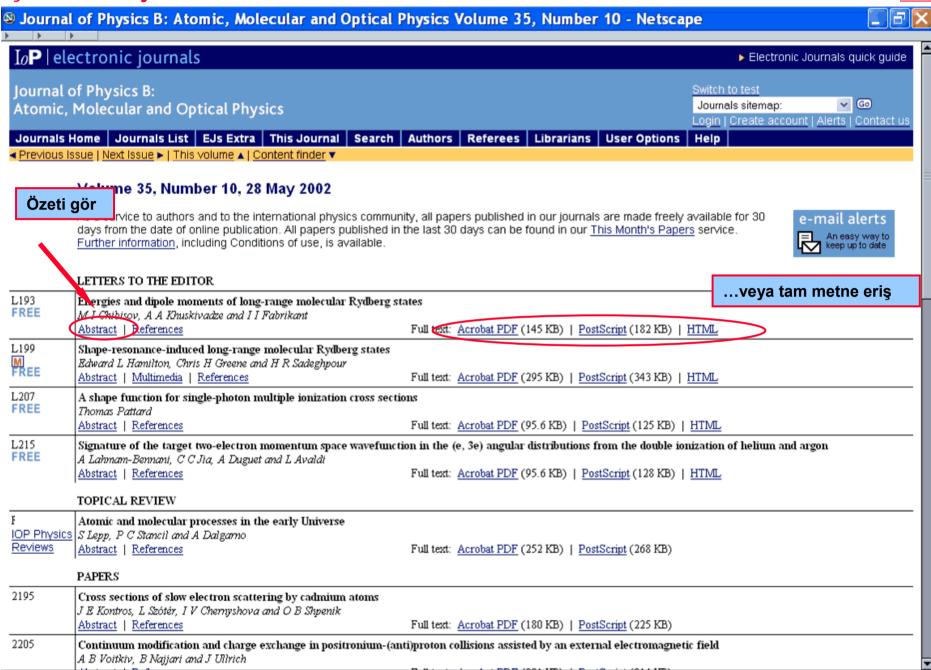


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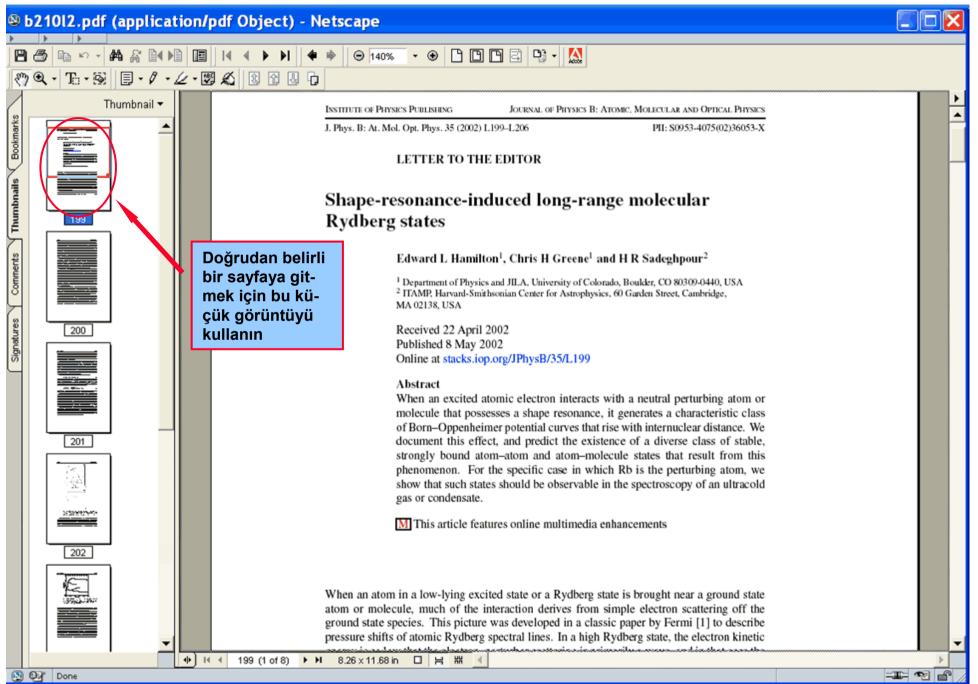
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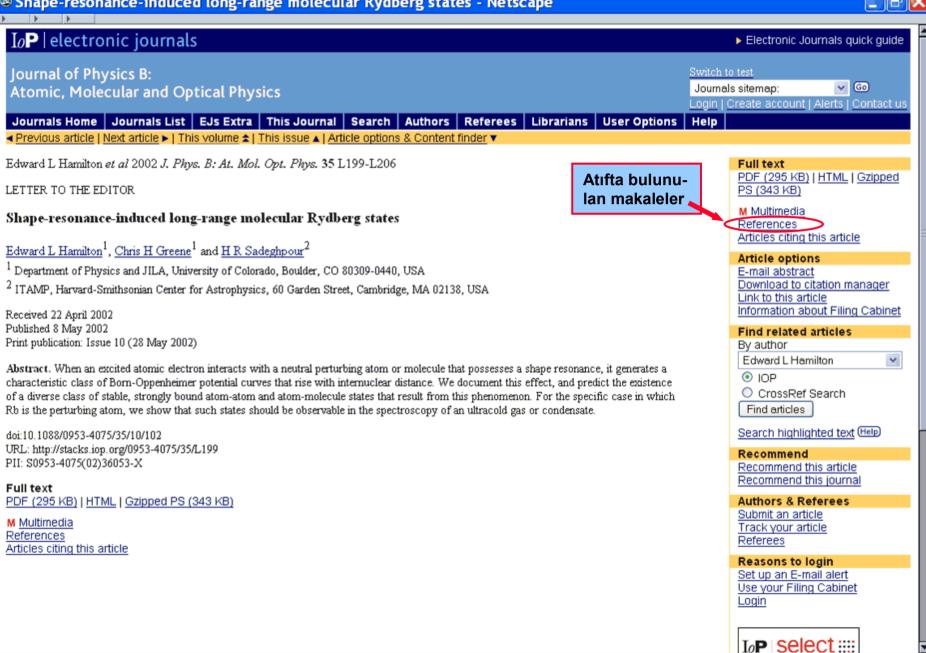


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#### References

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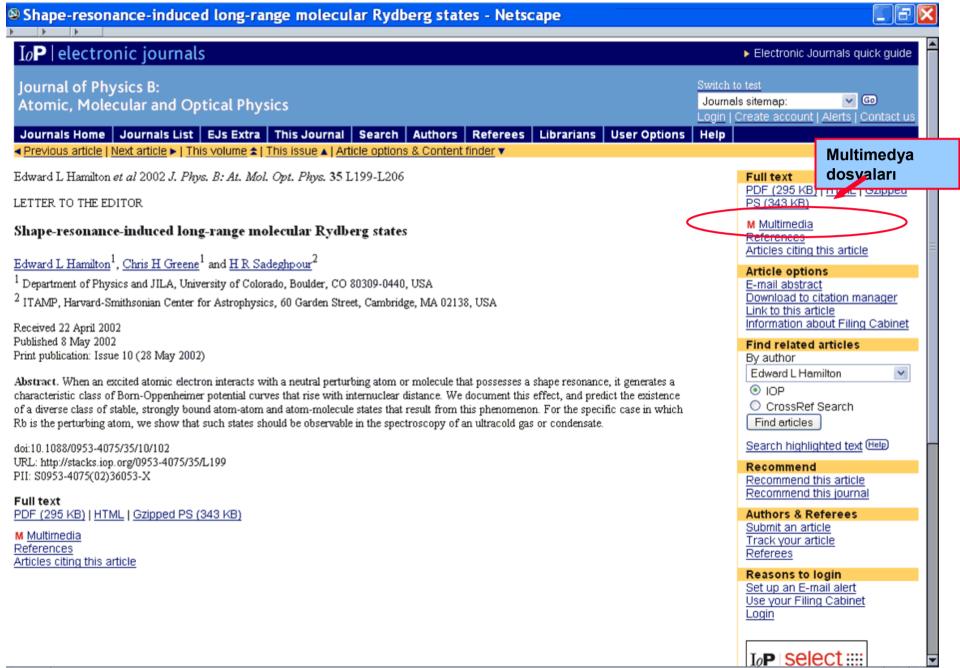
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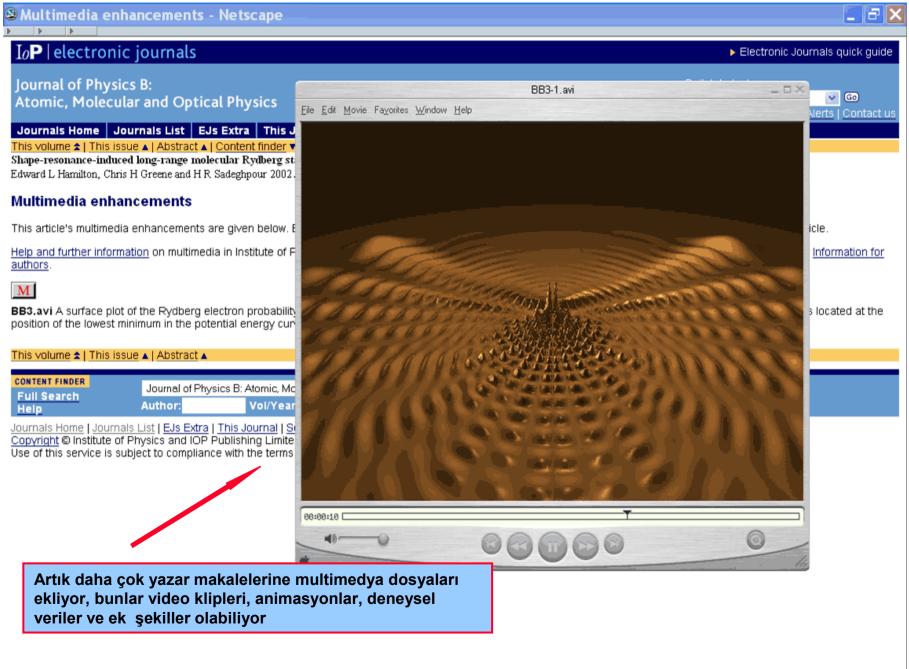
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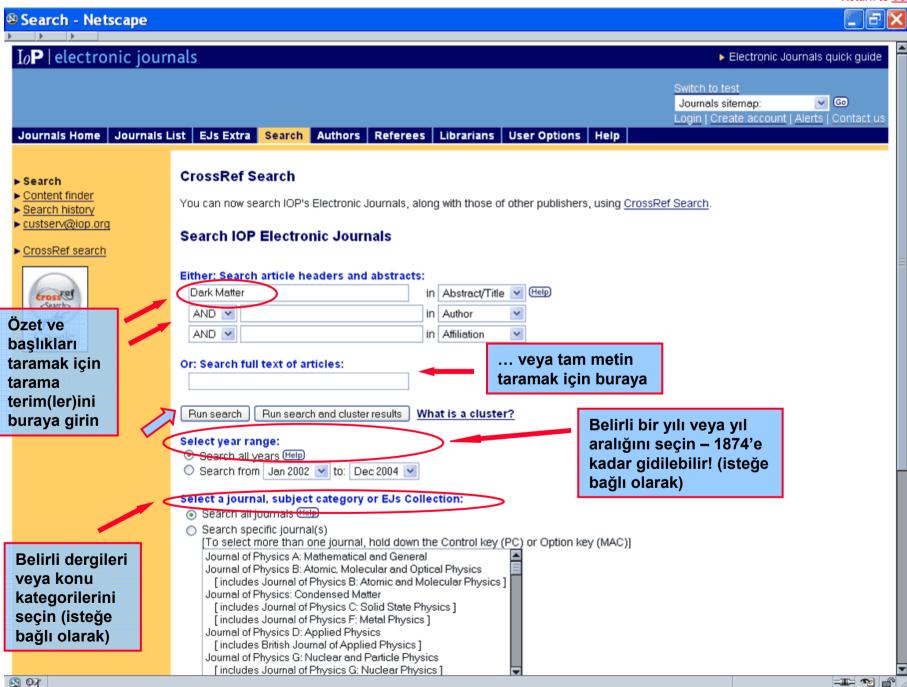


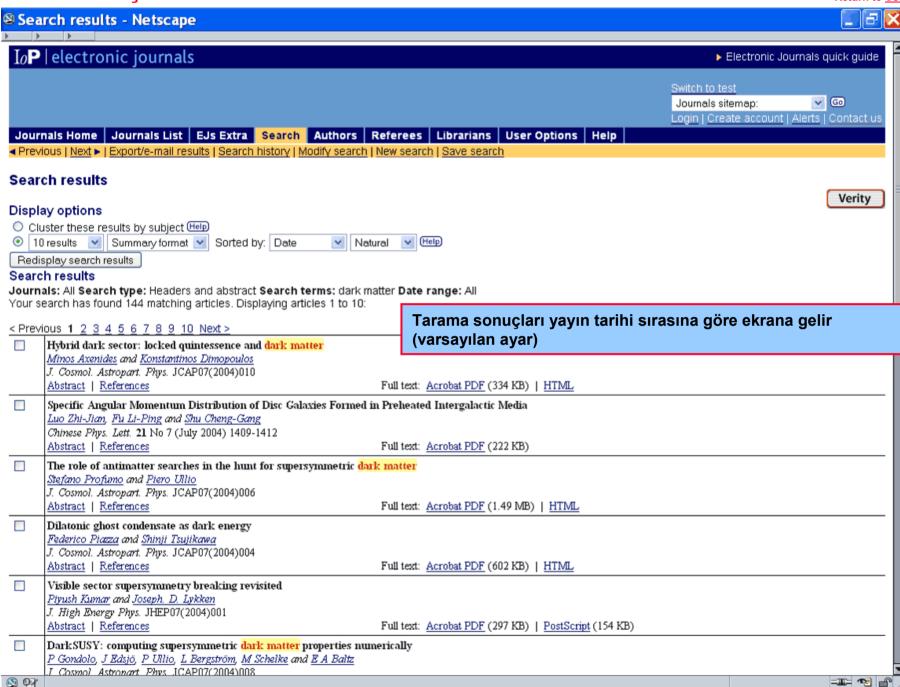
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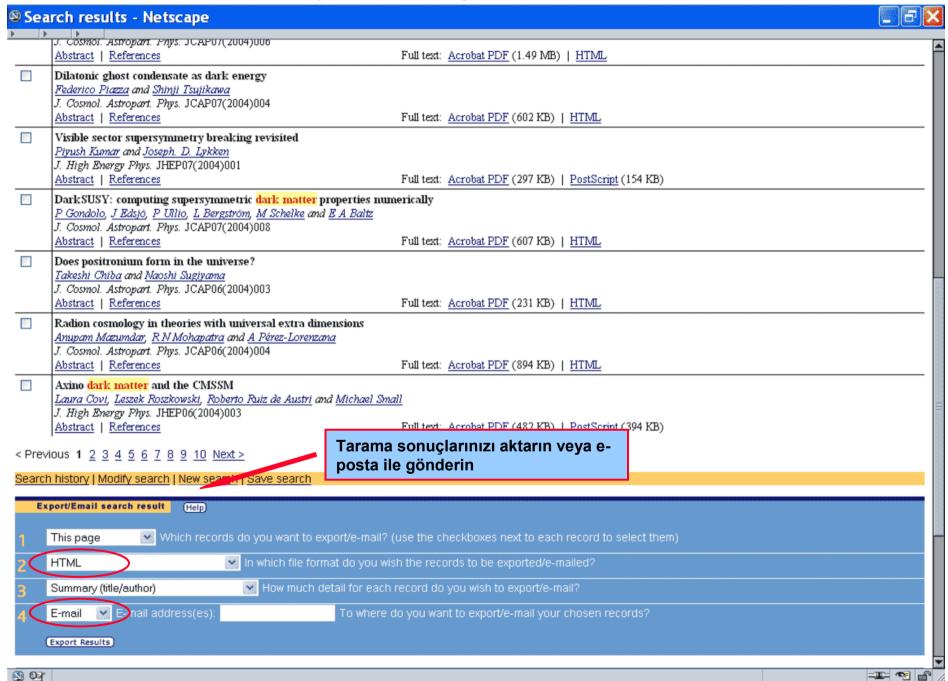


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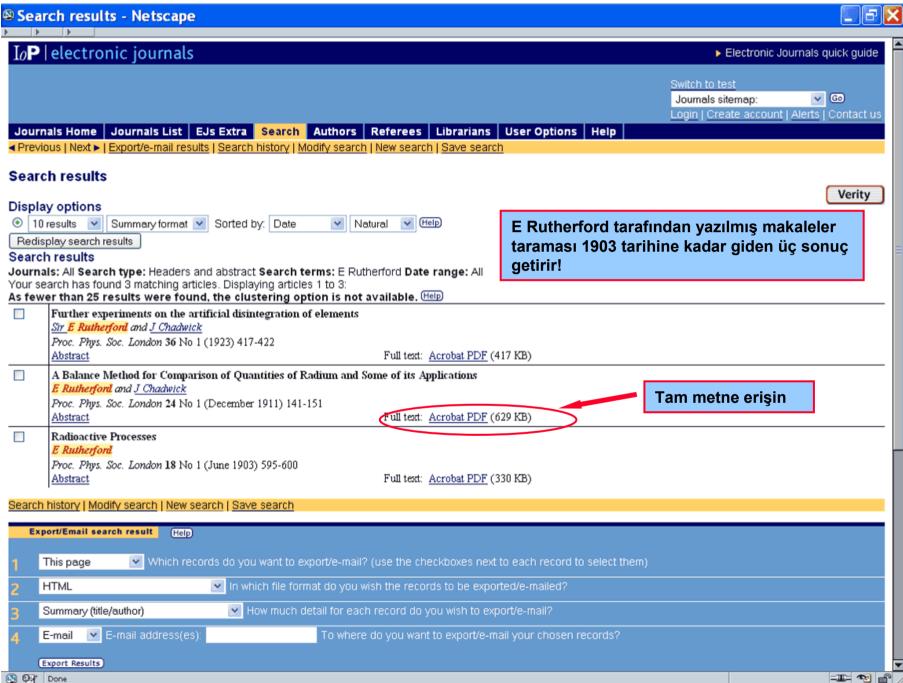




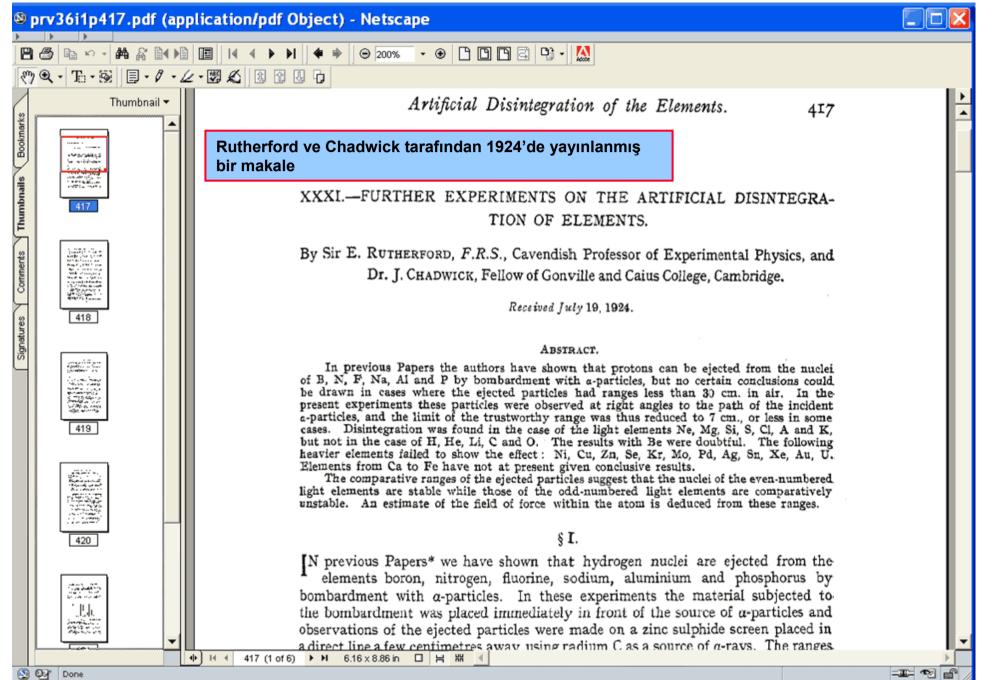
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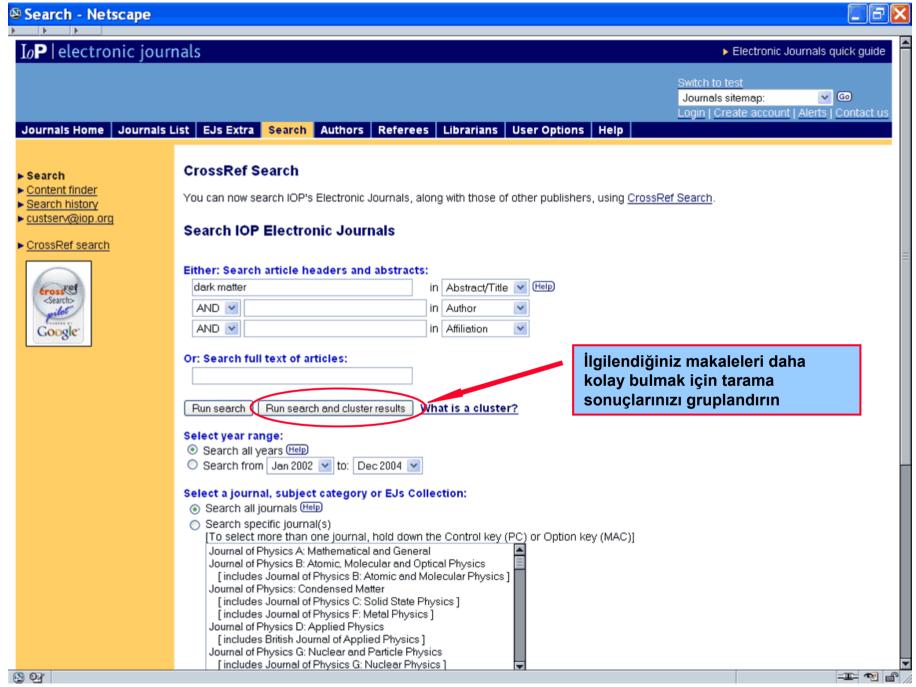


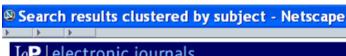
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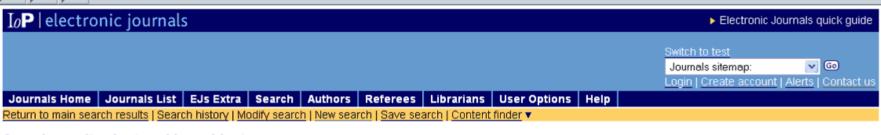


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Minos Axenides and Konstantinos Dimopoulos

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Luo Zhi-Jian, Fu Li-Ping and Shu Cheng-Gan Chinese Physics Letters 21 No 7 (July 2004) 1409-1412 View article in new window

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Assuming that baryons within a galactic halo have the same specific angular momentum as the dark matter where they locate initially and a disc forms due to the gas cooling and condensation with the conservation of angular momentum, we investigate the angular momentum distribution in a resulting galactic disc under the new preheated galaxy formation model suggested by Mo and Mao (Mon. Not. R. Astron. Soc. 333 (2002) 768). Compared with the observational results, it can be concluded that the preheated galaxy formation model can match current observations. This model can be a good approach to solve the problems of both the angular momentum catastrophe and the mismatch of angular-momentum profiles in current disc galaxy formation models.

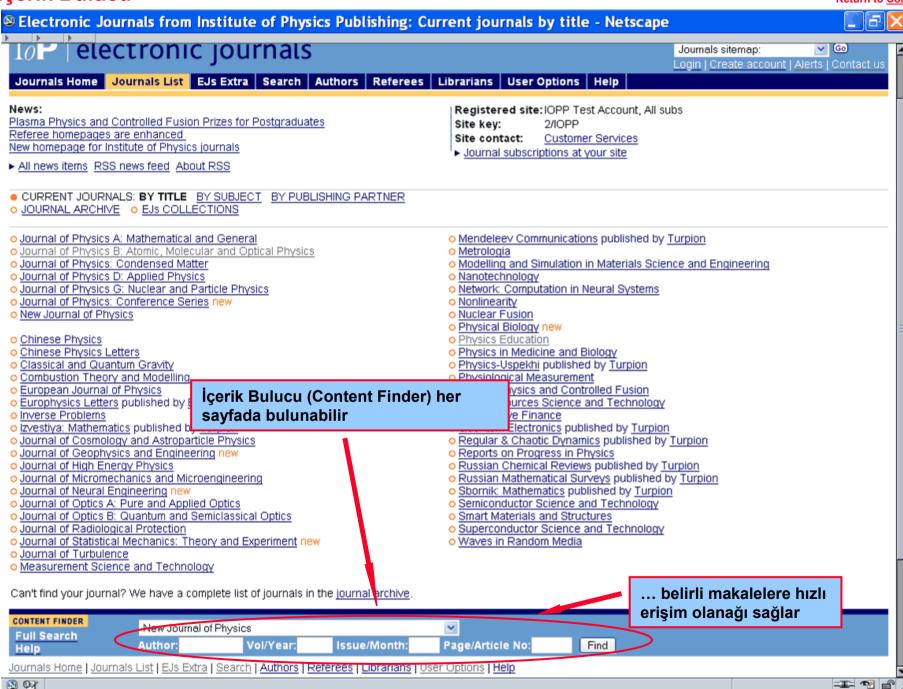
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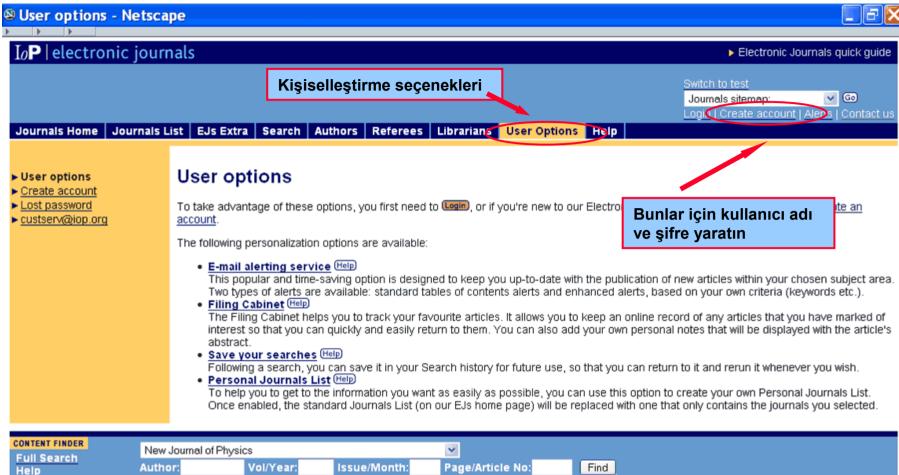
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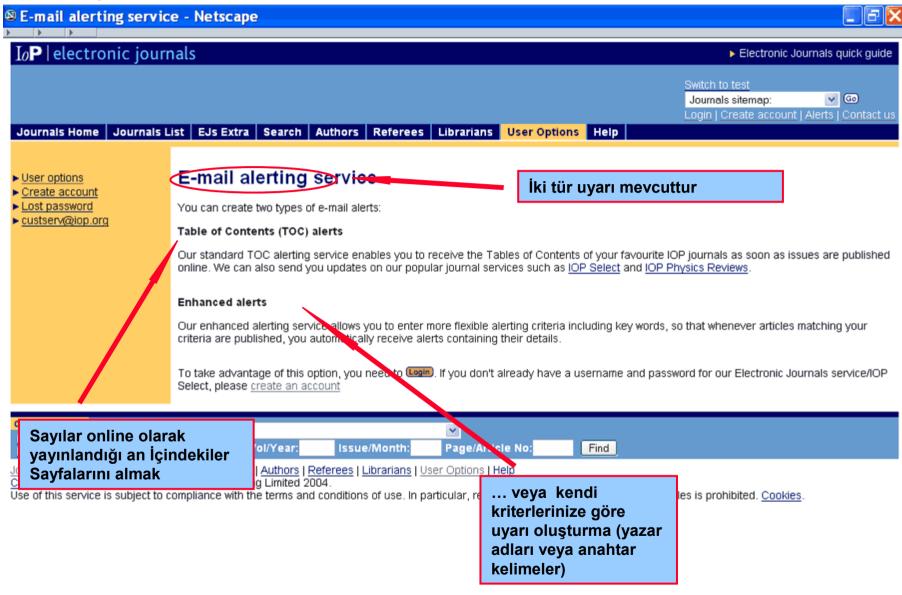
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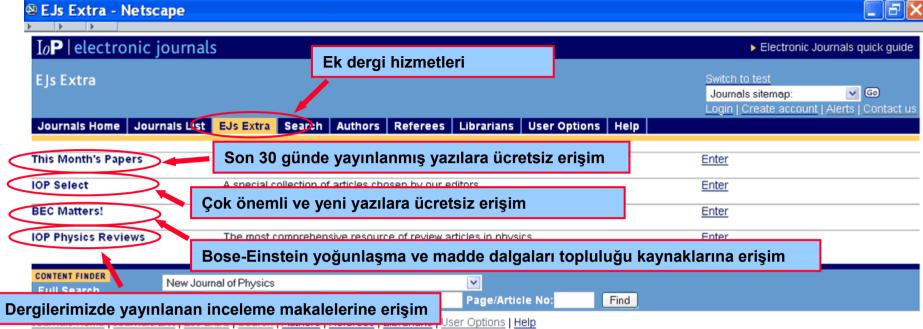
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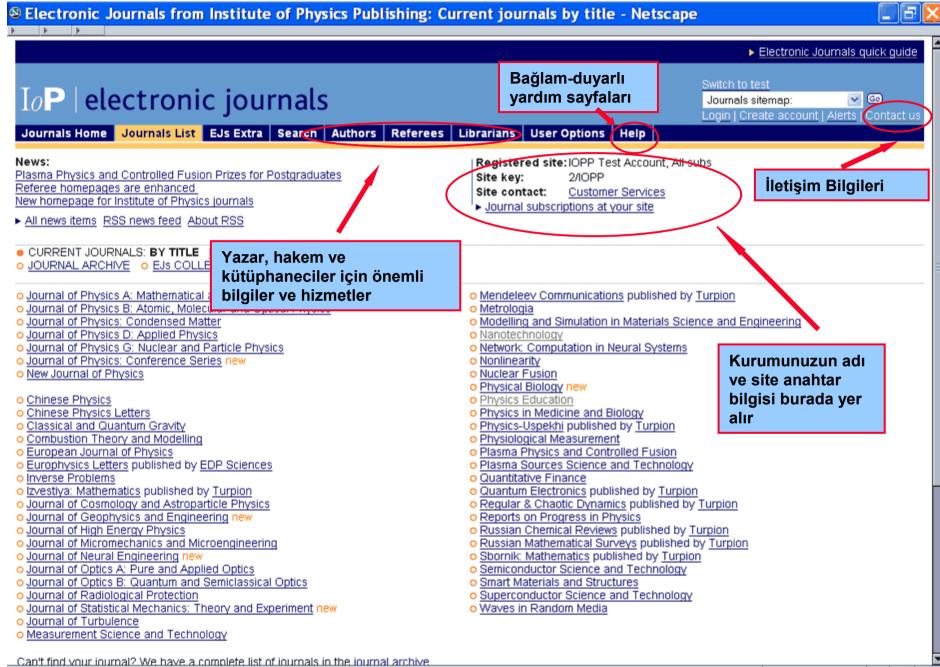


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