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It's my pleasure to inform you that a paper co-authored by Dr. Ali Oncel of ES department has been listed in the top 25 hottest articles in the journal of **Tectonophysics** for April-June 2006 by ScienceDirect.

Regards

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TOP25 articles within the journal:

Tectonophysics

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◀ APR - JUN 2006 ▶

1. [Speculations on the nature and cause of mantle heterogeneity](#) • Article
Tectonophysics, Volume 416, Issue 1-4, 1 April 2006, Pages 7-22
Anderson, D.L.
2. [Gravity modelling of the Hellenic subduction zone - a regional study](#) • Article
Tectonophysics, Volume 417, Issue 3-4, 1 May 2006, Pages 183-200
Casten, U.; Snopek, K.
3. [Heterogeneity in the mantle-its creation, evolution and destruction](#) • Article
Tectonophysics, Volume 416, Issue 1-4, 1 April 2006, Pages 23-31
Helfrich, G.
4. [The Levantine Basin-crustal structure and origin](#) • Article
Tectonophysics, Volume 418, Issue 3-4, 1 June 2006, Pages 167-188
Netzeband, G.L.; Gohl, K.; Hubscher, C.P.; Ben-Avraham, Z.; Dehghani, G.A.; Gajewski, D.; Liersch, P.
5. [The recent fault scarps of the Western Alps \(France\): Tectonic surface ruptures or gravitational sacking scarps? A combined mapping, geomorphic, levelling, and ¹⁰Be dating approach](#) • Article
Tectonophysics, Volume 418, Issue 3-4, 1 June 2006, Pages 255-276
Hippolyte, J.C.; Brocard, G.; Tardy, M.; Nicoud, G.; Bourles, D.; Braucher, R.; Menard, G.; Souffache, B.
6. [Evaluation of earthquake potential along the Northern Anatolian Fault Zone in the Marmara Sea using comparisons of GPS strain and seismotectonic parameters](#) • Article
Tectonophysics, Volume 418, Issue 3-4, 1 June 2006, Pages 205-218
Oncel, Ali.O.; Wilson, T.
7. [The heterogeneous upper mantle low velocity zone](#) • Article
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Thybo, H.
8. [Imag\(in\)ing the continental lithosphere](#) • Article
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Levander, A.; Niu, F.; Lee, C.T.A.; Cheng, X.
9. [Effects of magnetic interactions in anisotropy of magnetic susceptibility:](#)

- [Models, experiments and implications for igneous rock fabrics quantification](#) • Article
Tectonophysics, Volume 418, Issue 1-2, 1 May 2006, Pages 3-19
Gaillot, P.; de Saint-Blanquat, M.; Bouchez, J.L.
10. [A 3-D density-velocity model between the Cretan Sea and Libya](#) • Article
Tectonophysics, Volume 417, Issue 3-4, 1 May 2006, Pages 201-220
Makris, J.; Yegorova, T.
11. [Geophysical methods applied to fault characterization and earthquake potential assessment in the Lower Tagus Valley, Portugal](#) • Article
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Carvalho, J.; Cabral, J.; Goncalves, R.; Torres, L.; Mendes-Victor, L.
12. [Plate tectonic evolution of the southern margin of Eurasia in the Mesozoic and Cenozoic](#) • Article
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13. [Imaging global chemical and thermal heterogeneity in the subcontinental lithospheric mantle with garnets and xenoliths: Geophysical implications](#) • Article
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O'Reilly, S.Y.; Griffin, W.L.
14. [Structural architecture of a highly oblique divergent plate boundary segment](#) • Article
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Clifton, A.E.; Kattenhorn, S.A.
15. [Estimates of heat flow from Cenozoic seafloor using global depth and age data](#) • Article
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17. [Imaging granitic plutons along the IBERSELS profile](#) • Article
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Flecha, I.; Carbonell, R.; Zeyen, H.; Marti, D.; Palomeras, I.; Simancas, F.; Perez-Estaun, A.
18. [3-D velocity structure of the 2003 Bam earthquake area \(SE Iran\): Existence of a low-Poisson's ratio layer and its relation to heavy damage](#) • Article
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Sadeghi, H.; Aghda, S.M.F.; Suzuki, S.; Nakamura, T.
19. [Seismic lamination and anisotropy of the Lower Continental Crust](#) • Article
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20. [Small-scale spatial variation of the stress field in the back-arc Aegean area: Results from the seismotectonic study of the broader area of Mygdonia basin \(N. Greece\)](#) • Article
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21. [Magnetic studies of magma-supply and sea-floor metamorphism: Troodos ophiolite dikes](#) • Article
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Kozhurin, A.; Acocella, V.; Kyle, P.R.; Lagmay, F.M.; Melekestsev, I.V.; Ponomareva, V.; Rust, D.; Tibaldi, A.; Tunesi, A.; Corazzato, C.; Rovida, A.; Sakharov, A.; Tengonciang, A.; Uy, H.
23. [Kinematics and \$^{40}\text{Ar}/^{39}\text{Ar}\$ geochronology of the Gaoligong and Chongshan shear systems, western Yunnan, China: Implications for early Oligocene tectonic extrusion of SE Asia](#) • Article
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25. [Stratigraphy of the Middle Devonian boundary: Formal definition of the susceptibility magnetostratotype in Germany with comparisons to sections in the Czech Republic, Morocco and Spain](#) • Article
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