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**Record 1 of 22****By:** Unal, H (Unal, Hatice); Gunceler, D (Gunceler, Deniz); Mete, E (Mete, Ersen)**Title:** A study of the density functional methods on the photoabsorption of Bodipy dyes**Source:** JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY**Volume:** 278**Pages:** 14-18**DOI:** 10.1016/j.jphotochem.2013.12.015**Published:** MAR 15 2014**Times Cited in Web of Science:** 0**Times Cited in BIOSIS Citation Index:** 0**Times Cited in Chinese Science Citation Database:** 0**Times Cited in SciELO Citation Index:** 0**Total Times Cited:** 0**ISSN:** 1010-6030**Accession Number:** WOS:000332442100003

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**Record 2 of 22****By:** Celik, V (Celik, Veysel); Mete, E (Mete, Ersen)**Title:** Electronic and optical properties of Cr and Cr-N doped anatase TiO<sub>2</sub> from screened Coulomb hybrid calculations**Source:** JOURNAL OF PHYSICS-CONDENSED MATTER**Volume:** 25**Issue:** 36**Article Number:** 365502**DOI:** 10.1088/0953-8984/25/36/365502**Published:** SEP 11 2013**Times Cited in Web of Science:** 0**Times Cited in BIOSIS Citation Index:** 0**Times Cited in Chinese Science Citation Database:** 0**Times Cited in SciELO Citation Index:** 0**Total Times Cited:** 0**ISSN:** 0953-8984**Accession Number:** WOS:000323280900011

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**Record 3 of 22****By:** Celik, V (Celik, Veysel); Mete, E (Mete, Ersen)**Title:** Range-separated hybrid exchange-correlation functional analyses of anatase TiO<sub>2</sub> doped with W, N, S, W/N, or W/S**Source:** PHYSICAL REVIEW B**Volume:** 86**Issue:** 20**Article Number:** 205112**DOI:** 10.1103/PhysRevB.86.205112**Published:** NOV 9 2012**Times Cited in Web of Science:** 6**Times Cited in BIOSIS Citation Index:** 0**Times Cited in Chinese Science Citation Database:** 1**Times Cited in SciELO Citation Index:** 0**Total Times Cited:** 6**ISSN:** 1098-0121**Accession Number:** WOS:000310868000001

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**Record 4 of 22****By:** Mete, E (Mete, E.); Demiroglu, I (Demiroglu, I.); Albayrak, E (Albayrak, E.); Bracco, G (Bracco, G.); Elliatoglu, S (Elliatoglu, S.); Danisman, M M. F.)**Title:** Influence of Steps on the Tilting and Adsorption Dynamics of Ordered Pentacene Films on Vicinal Ag(111) Surfaces**Source:** JOURNAL OF PHYSICAL CHEMISTRY C**Volume:** 116**Issue:** 36**Pages:** 19429-19433**DOI:** 10.1021/jp306463w**Published:** SEP 13 2012**Times Cited in Web of Science:** 4**Times Cited in BIOSIS Citation Index:** 0**Times Cited in Chinese Science Citation Database:** 0**Times Cited in SciELO Citation Index:** 0

**Total Times Cited:** 4

**ISSN:** 1932-7447

**Accession Number:** WOS:000308631300046

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**Record 5 of 22**

**By:** Mete, E (Mete, E.); Gulseren, O (Gulseren, O.); Ellialtioglu, S (Ellialtioglu, S.)

**Title:** DFT study of noble metal impurities on TiO<sub>2</sub>(110)

**Source:** EUROPEAN PHYSICAL JOURNAL B

**Volume:** 85

**Issue:** 6

**Article Number:** 204

**DOI:** 10.1140/epjb/e2012-21039-x

**Published:** JUN 2012

**Times Cited in Web of Science:** 1

**Times Cited in BIOSIS Citation Index:** 0

**Times Cited in Chinese Science Citation Database:** 0

**Times Cited in SciELO Citation Index:** 0

**Total Times Cited:** 1

**ISSN:** 1434-6028

**Accession Number:** WOS:000305693400019

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**Record 6 of 22**

**By:** Unal, H (Unal, Hatice); Mete, E (Mete, Ersen); Ellialtioglu, S (Ellialtioglu, Sinasi)

**Title:** Surface energy and excess charge in (1x2)-reconstructed rutile TiO<sub>2</sub>(110) from DFT plus U calculations

**Source:** PHYSICAL REVIEW B

**Volume:** 84

**Issue:** 11

**Article Number:** 115407

**DOI:** 10.1103/PhysRevB.84.115407

**Published:** SEP 9 2011

**Times Cited in Web of Science:** 2

**Times Cited in BIOSIS Citation Index:** 0

**Times Cited in Chinese Science Citation Database:** 0

**Times Cited in SciELO Citation Index:** 0

**Total Times Cited:** 2

**ISSN:** 1098-0121

**Accession Number:** WOS:000294776300006

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**Record 7 of 22**

**By:** Cakir, D (Cakir, D.); Gulseren, O (Gulseren, O.); Mete, E (Mete, E.); Ellialtioglu, S (Ellialtioglu, S.)

**Title:** Interaction of BrPDI, BrGly, and BrAsp with the Rutile TiO<sub>2</sub>(110) Surface for Photovoltaic and Photocatalytic Applications: A First-Principles

**Source:** JOURNAL OF PHYSICAL CHEMISTRY C

**Volume:** 115

**Issue:** 18

**Pages:** 9220-9226

**DOI:** 10.1021/jp107428t

**Published:** MAY 12 2011

**Times Cited in Web of Science:** 2

**Times Cited in BIOSIS Citation Index:** 0

**Times Cited in Chinese Science Citation Database:** 0

**Times Cited in SciELO Citation Index:** 0

**Total Times Cited:** 2

**ISSN:** 1932-7447

**Accession Number:** WOS:000290127200046

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**Record 8 of 22**

**By:** Celik, V (Celik, Veysel); Unal, H (Unal, Hatice); Mete, E (Mete, Ersen); Ellialtioglu, S (Ellialtioglu, Sinasi)

**Title:** Theoretical analysis of small Pt particles on rutile TiO<sub>2</sub>(110) surfaces

**Source:** PHYSICAL REVIEW B

**Volume:** 82

**Issue:** 20

**Article Number:** 205113

**DOI:** 10.1103/PhysRevB.82.205113

**Published:** NOV 10 2010

**Times Cited in Web of Science:** 15

**Times Cited in BIOSIS Citation Index:** 0

**Times Cited in Chinese Science Citation Database:** 0

**Times Cited in SciELO Citation Index:** 0

**Total Times Cited:** 15

**ISSN:** 1098-0121

**Accession Number:** WOS:000284047800006

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**Record 9 of 22**

**By:** Mete, E (Mete, Ersen); Demiroglu, I (Demiroglu, Ilker); Danisman, MF (Danisman, M. Fatih); Ellialtioglu, S (Ellialtioglu, Sinasi)

**Title:** Pentacene Multilayers on Ag(111) Surface

**Source:** JOURNAL OF PHYSICAL CHEMISTRY C

**Volume:** 114

**Issue:** 6

**Pages:** 2724-2729

**DOI:** 10.1021/jp910703n

**Published:** FEB 18 2010

**Times Cited in Web of Science:** 13

**Times Cited in BIOSIS Citation Index:** 1

**Times Cited in Chinese Science Citation Database:** 0

**Times Cited in SciELO Citation Index:** 0

**Total Times Cited:** 13

**ISSN:** 1932-7447

**Accession Number:** WOS:000274354800048

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**Record 10 of 22**

**By:** Cakir, D (Cakir, D.); Gulseren, O (Gulseren, O.); Mete, E (Mete, E.); Ellialtioglu, S (Ellialtioglu, S.)

**Title:** Dye adsorbates BrPDI, BrGly, and BrAsp on anatase TiO<sub>2</sub>(001) for dye-sensitized solar cell applications

**Source:** PHYSICAL REVIEW B

**Volume:** 80

**Issue:** 3

**Article Number:** 035431

**DOI:** 10.1103/PhysRevB.80.035431

**Published:** JUL 2009

**Times Cited in Web of Science:** 12

**Times Cited in BIOSIS Citation Index:** 0

**Times Cited in Chinese Science Citation Database:** 0

**Times Cited in SciELO Citation Index:** 0

**Total Times Cited:** 12

**ISSN:** 1098-0121

**Accession Number:** WOS:000268617800138

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**Record 11 of 22**

**By:** Mete, E (Mete, E.); Gulseren, O (Gulseren, O.); Ellialtioglu, S (Ellialtioglu, S.)

**Title:** Modification of TiO<sub>2</sub>(001) surface electronic structure by Au impurity investigated with density functional theory

**Source:** PHYSICAL REVIEW B

**Volume:** 80

**Issue:** 3

**Article Number:** 035422

**DOI:** 10.1103/PhysRevB.80.035422

**Published:** JUL 2009

**Times Cited in Web of Science:** 9

**Times Cited in BIOSIS Citation Index:** 1

**Times Cited in Chinese Science Citation Database:** 0

**Times Cited in SciELO Citation Index:** 0

**Total Times Cited:** 9

**ISSN:** 1098-0121

**Accession Number:** WOS:000268617800129

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**Record 12 of 22**

**By:** Mete, E (Mete, E.); Uner, D (Uner, D.); Gulseren, O (Gulseren, O.); Ellialtioglu, S (Ellialtioglu, S.)

**Title:** Pt-incorporated anatase TiO<sub>2</sub>(001) surface for solar cell applications: First-principles density functional theory calculations

**Source:** PHYSICAL REVIEW B

**Volume:** 79

**Issue:** 12

**Article Number:** 125418

**DOI:** 10.1103/PhysRevB.79.125418

**Published:** MAR 2009

**Times Cited in Web of Science:** 14

**Times Cited in BIOSIS Citation Index:** 1

**Times Cited in Chinese Science Citation Database:** 0

**Times Cited in SciELO Citation Index:** 0

**Total Times Cited:** 14  
**ISSN:** 1098-0121; 1550-235X  
**Accession Number:** WOS:000264769300099

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**Record 13 of 22**

**By:** Sebetci, A (Sebetci, Ali); Mete, E (Mete, Ersen); Boustani, I (Boustani, Ihsan)  
**Title:** Free standing double walled boron nanotubes  
**Source:** JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS  
**Volume:** 69  
**Issue:** 8  
**Pages:** 2004-2012  
**DOI:** 10.1016/j.jpms.2008.02.014  
**Published:** AUG 2008  
**Times Cited in Web of Science:** 9  
**Times Cited in BIOSIS Citation Index:** 0  
**Times Cited in Chinese Science Citation Database:** 1  
**Times Cited in SciELO Citation Index:** 0  
**Total Times Cited:** 10  
**ISSN:** 0022-3697  
**Accession Number:** WOS:000258977500021

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**Record 14 of 22**

**By:** Cakmak, M (Cakmak, M.); Mete, E (Mete, E.); Ellialtioglu, S (Ellialtioglu, S.)  
**Title:** Effect of hydrogenation on B/Si(001)-(1 x 2)  
**Source:** SURFACE SCIENCE  
**Volume:** 601  
**Issue:** 18  
**Pages:** 3711-3716  
**DOI:** 10.1016/j.susc.2007.04.009  
**Published:** SEP 15 2007  
**Conference Title:** 24th European Conference on Surface Science (ECOSS-24)  
**Conference Date:** SEP 04-08, 2006  
**Conference Location:** Paris, FRANCE  
**Times Cited in Web of Science:** 0  
**Times Cited in BIOSIS Citation Index:** 0  
**Times Cited in Chinese Science Citation Database:** 0  
**Times Cited in SciELO Citation Index:** 0  
**Total Times Cited:** 0  
**ISSN:** 0039-6028  
**Accession Number:** WOS:000250414600010

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**Record 15 of 22**

**By:** Mete, E (Mete, E.); Uner, D (Uner, D.); Cakmak, M (Cakmak, M.); Gulseren, O (Gulseren, O.); Ellialtuglu, S (Ellialtuglu, S.)  
**Title:** Effect of molecular and electronic structure on the light-harvesting properties of dye sensitizers  
**Source:** JOURNAL OF PHYSICAL CHEMISTRY C  
**Volume:** 111  
**Issue:** 20  
**Pages:** 7539-7547  
**DOI:** 10.1021/jp0659812  
**Published:** MAY 24 2007  
**Times Cited in Web of Science:** 16  
**Times Cited in BIOSIS Citation Index:** 1  
**Times Cited in Chinese Science Citation Database:** 1  
**Times Cited in SciELO Citation Index:** 0  
**Total Times Cited:** 16  
**ISSN:** 1932-7447  
**Accession Number:** WOS:000246569800042

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**Record 16 of 22**

**By:** Cakmak, M (Cakmak, M.); Mete, E (Mete, E.); Ellialtioglu, S (Ellialtioglu, S.)  
**Title:** Atomic and electronic structure of Sr/Si(001)-(2 x 2)  
**Source:** SURFACE SCIENCE  
**Volume:** 600  
**Issue:** 18  
**Special Issue:** SI  
**Pages:** 3614-3618  
**DOI:** 10.1016/j.susc.2006.02.053  
**Published:** SEP 15 2006

**Conference Title:** 23rd European Conference on Surface Science (ECOSS-23)  
**Conference Date:** SEP 04-09, 2005  
**Conference Location:** Freie Univ, Berlin, GERMANY  
**Conference Host:** Freie Univ  
**Times Cited in Web of Science:** 2  
**Times Cited in BIOSIS Citation Index:** 0  
**Times Cited in Chinese Science Citation Database:** 0  
**Times Cited in SciELO Citation Index:** 0  
**Total Times Cited:** 2  
**ISSN:** 0039-6028  
**Accession Number:** WOS:000241450600021

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**Record 17 of 22**

**By:** Shaltaf, R (Shaltaf, R); Mete, E (Mete, E); Ellialtioglu, S (Ellialtioglu, S)  
**Title:** Cs adsorption on Si(001) surface: An ab initio study  
**Source:** PHYSICAL REVIEW B  
**Volume:** 72  
**Issue:** 20  
**Article Number:** 205415  
**DOI:** 10.1103/PhysRevB.72.205415  
**Published:** NOV 2005  
**Times Cited in Web of Science:** 7  
**Times Cited in BIOSIS Citation Index:** 0  
**Times Cited in Chinese Science Citation Database:** 2  
**Times Cited in SciELO Citation Index:** 0  
**Total Times Cited:** 9  
**ISSN:** 1098-0121  
**Accession Number:** WOS:000233603900109

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**Record 18 of 22**

**By:** Mete, E (Mete, E); Shaltaf, R (Shaltaf, R); Ellialtioglu, S (Ellialtioglu, S)  
**Title:** DFT study of Rb/Si(100)-2 x 1 system  
**Source:** SURFACE SCIENCE  
**Volume:** 583  
**Issue:** 2-3  
**Pages:** 119-125  
**DOI:** 10.1016/j.susc.2005.03.030  
**Published:** JUN 1 2005  
**Times Cited in Web of Science:** 2  
**Times Cited in BIOSIS Citation Index:** 0  
**Times Cited in Chinese Science Citation Database:** 1  
**Times Cited in SciELO Citation Index:** 0  
**Total Times Cited:** 3  
**ISSN:** 0039-6028  
**Accession Number:** WOS:000229664400002

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**Record 19 of 22**

**By:** Ellialtioglu, S (Ellialtioglu, S); Mete, E (Mete, E); Shaltaf, R (Shaltaf, R); Allakhverdiev, K (Allakhverdiev, K); Gashimzade, F (Gashimzade, F); I M (Nizametdinova, M); Orudzhev, G (Orudzhev, G)  
**Title:** Electronic structure of the chainlike compound TlSe  
**Source:** PHYSICAL REVIEW B  
**Volume:** 70  
**Issue:** 19  
**Article Number:** 195118  
**DOI:** 10.1103/PhysRevB.70.195118  
**Published:** NOV 2004  
**Times Cited in Web of Science:** 17  
**Times Cited in BIOSIS Citation Index:** 0  
**Times Cited in Chinese Science Citation Database:** 0  
**Times Cited in SciELO Citation Index:** 0  
**Total Times Cited:** 17  
**ISSN:** 1098-0121  
**Accession Number:** WOS:000225477800057

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**Record 20 of 22**

**By:** Shaltaf, R (Shaltaf, R); Cakmak, M (Cakmak, M); Mete, E (Mete, E); Srivastava, GP (Srivastava, GP); Ellialtioglu, S (Ellialtioglu, S)  
**Title:** Ab initio study of the one-monolayer Sb/Ge (001) interface  
**Source:** SURFACE SCIENCE

**Volume:** 566  
**Pages:** 956-960  
**DOI:** 10.1016/j.susc.2004.06.036  
**Part:** 2  
**Published:** SEP 20 2004  
**Conference Title:** 22nd European Conference on Surface Science (ECOSS 22)  
**Conference Date:** SEP 07-12, 2003  
**Conference Location:** Prague, CZECH REPUBLIC  
**Sponsor(s):** Inst Phys Acad Sci Czecg Republic; European Phys Soc, Surface Interface Div; Surf Div Int Union Vacuum Sci, Tech & Applicat  
**Times Cited in Web of Science:** 0  
**Times Cited in BIOSIS Citation Index:** 0  
**Times Cited in Chinese Science Citation Database:** 0  
**Times Cited in SciELO Citation Index:** 0  
**Total Times Cited:** 0  
**ISSN:** 0039-6028  
**Accession Number:** WOS:000224238300053

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**Record 21 of 22**

**By:** Shaltaf, R (Shaltaf, R); Mete, E (Mete, E); Ellialtioglu, S (Ellialtioglu, S)  
**Title:** Mg adsorption on Si(001) surface from first principles  
**Source:** PHYSICAL REVIEW B  
**Volume:** 69  
**Issue:** 12  
**Article Number:** 125417  
**DOI:** 10.1103/PhysRevB.69.125417  
**Published:** MAR 2004  
**Times Cited in Web of Science:** 7  
**Times Cited in BIOSIS Citation Index:** 0  
**Times Cited in Chinese Science Citation Database:** 1  
**Times Cited in SciELO Citation Index:** 0  
**Total Times Cited:** 8  
**ISSN:** 1098-0121  
**Accession Number:** WOS:000221259000124

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**Record 22 of 22**

**By:** Mete, E (Mete, E); Shaltaf, R (Shaltaf, R); Ellialtioglu, S (Ellialtioglu, S)  
**Title:** Electronic and structural properties of a 4d perovskite: Cubic phase of SrZrO<sub>3</sub>  
**Source:** PHYSICAL REVIEW B  
**Volume:** 68  
**Issue:** 3  
**Article Number:** 035119  
**DOI:** 10.1103/PhysRevB.68.035119  
**Published:** JUL 15 2003  
**Times Cited in Web of Science:** 50  
**Times Cited in BIOSIS Citation Index:** 0  
**Times Cited in Chinese Science Citation Database:** 10  
**Times Cited in SciELO Citation Index:** 0  
**Total Times Cited:** 56  
**ISSN:** 1098-0121  
**Accession Number:** WOS:000185229600056

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