

Prof.Dr. EVREN MUTLUGÜN

Kişisel Bilgiler

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Biyografi

Assoc. Prof. Evren Mutlugün received the B.Sc degree in Physics from Middle East Technical University in 2005. He got his M.Sc. and Ph.D. degrees, both from Bilkent University Physics Department in 2007 and 2012 respectively. Prior to joining Abdullah Gül University as a faculty of Electrical-Electronics Engineering in 2014, he worked as a National Research Foundation Competitive Research Programme (NRF-CRP) research fellow at Nanyang Technological University, between 2012 and 2014. Since 2015, he is acting as the vice dean of School of Engineering at Abdullah Gul University. His research focuses on the colloidal quantum dot-based exciton harvesting systems for novel optoelectronic applications. He is the recipient of the 2014 BAGEP Science Academy Young Scientist Award, 2017 Turkish Academy of Sciences Outstanding Young Scientist Award, 2019 Young Scientist Award of the Science Heroes Association, and has co-authored numerous conference papers and more than 60 SCI journals in high rank journals in the field.

Eğitim Bilgileri

Doktora, İhsan Doğramacı Bilkent Üniversitesi, Fen Fakültesi, Fizik, Türkiye 2007 - 2011

Yüksek Lisans, İhsan Doğramacı Bilkent Üniversitesi, Fen Fakültesi, Fizik, Türkiye 2005 - 2007

Lisans, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik, Türkiye 2002 - 2005

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Exciton Harvesting Systems of Nanocrystals, İhsan Doğramacı Bilkent Üniversitesi, Fizik, Fizik, 2012

Yüksek Lisans, Novel Ultraviolet Scintillators based on Semiconductor Quantum Dot Emitters for Significantly Enhanced Photodetection and Photovoltaics , İhsan Doğramacı Bilkent Üniversitesi, Fizik, Fen Fakültesi/Fizik, 2007

Araştırma Alanları

Elektrik-Elektronik Mühendisliği, Elektronik, Nanoteknoloji, Optik ve Fotonik, Metalurji ve Malzeme Mühendisliği, Malzeme Bilimi ve Mühendisliği, Optik Özellikler, Nanomalzemeler, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Doç.Dr., Abdullah Gül Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2017 - Devam Ediyor

Akademik İdari Deneyim

Dekan Yardımcısı, Abdullah Gül Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2015 - Devam Ediyor

BAP Bilimsel Komisyon Üyesi, Abdullah Gül Üniversitesi, 2014 - 2020

Enstitü Müdür Yardımcısı, Abdullah Gül Üniversitesi, 2014 - 2015

Verdiği Dersler

PHYSICS II FOR ELECTRICAL ELECTRONICS ENGINEERING, Lisans, 2020 - 2021

SPECIAL TOPICS IN EEE, Yüksek Lisans, 2020 - 2021

PHYSICS II, Lisans, 2020 - 2021

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Highly luminescent ZnCdTeS nanocrystals with wide spectral tunability for efficient color-conversion white-light-emitting-diodes**
Soheyli E., Zargoush S., YAZICI A. F. , Sahraei R., MUTLUGÜN E.
JOURNAL OF PHYSICS D-APPLIED PHYSICS, cilt.54, sa.50, 2021 (SCI İndekslerine Giren Dergi)
- II. **Rational design of chemical bath deposition technique for successful preparation of Mn-doped CdS nanostructured thin films with controlled optical properties**
Kharabaneh F. K. , Ghavidel E., Soheyli E., Yazıcı A. F. , Jawhar N. N. , Mutlugün E., Sahraei R.
CERAMICS INTERNATIONAL, cilt.47, sa.4, ss.5523-5533, 2021 (SCI İndekslerine Giren Dergi)
- III. **Long-time stable colloidal Zn-Ag-In-S quantum dots with tunable midgap-involved emission**
Sabzevari Z., Sahraei R., Jawhar N. N. , YAZICI A. F. , MUTLUGÜN E., Soheyli E.
JOURNAL OF APPLIED PHYSICS, cilt.129, sa.6, 2021 (SCI İndekslerine Giren Dergi)
- IV. **Osmotic-Pressure-Induced Nematic Ordering in Suspensions of Laponite and Carboxy Methyl Cellulose**
Xu P., YAZICI A. F. , ERDEM T., Lekkerkerker H. N. W. , MUTLUGÜN E., Eiser E.
JOURNAL OF PHYSICAL CHEMISTRY B, cilt.124, sa.42, ss.9475-9481, 2020 (SCI İndekslerine Giren Dergi)
- V. **A hybridized local and charge transfer excited state for solution-processed non-doped green electroluminescence based on oligo(p-phenyleneethynylene)**
USTA H., Alimli D., ÖZDEMİR R., Tekin E., ALKAN F., Kacar R., Altas A. G. , Dabak S., Gurek A. G. , MUTLUGÜN E., et al.
JOURNAL OF MATERIALS CHEMISTRY C, cilt.8, sa.24, ss.8047-8060, 2020 (SCI İndekslerine Giren Dergi)
- VI. **Preparation of highly emissive and reproducible Cu-In-S/ZnS core/shell quantum dots with a mid-gap emission character**
Jawhar N. N. , Soheyli E., YAZICI A. F. , MUTLUGÜN E., Sahraei R.
JOURNAL OF ALLOYS AND COMPOUNDS, cilt.824, 2020 (SCI İndekslerine Giren Dergi)
- VII. **Record High External Quantum Efficiency of 19.2% Achieved in Light-Emitting Diodes of Colloidal Quantum Wells Enabled by Hot-Injection Shell Growth**
Liu B., Altintas Y., Wang L., Shendre S., Sharma M., Sun H., Mutlugun E., Demir H. V.
ADVANCED MATERIALS, cilt.32, sa.8, 2020 (SCI İndekslerine Giren Dergi)
- VIII. **Transparent Films Made of Highly Scattering Particles**
Erdem T., Yang L., Xu P., ALTINTAS Y., O'Neil T., Caciagli A., Ducati C., MUTLUGÜN E., Scherman O. A. , Eiser E.
LANGMUIR, cilt.36, sa.4, ss.911-918, 2020 (SCI İndekslerine Giren Dergi)
- IX. **Improving performance and stability in quantum dot-sensitized solar cell through single layer**

graphene/Cu₂S nanocomposite counter electrode

Akman E., ALTINTAS Y., Gulen M., Yilmaz M., MUTLUGÜN E., Sonmezoglu S.
RENEWABLE ENERGY, cilt.145, ss.2192-2200, 2020 (SCI İndekslerine Giren Dergi)

- X. **Writing chemical patterns using electrospun fibers as nanoscale inkpots for directed assembly of colloidal nanocrystals**
KİREMİTLER N. B. , TÖRÜN İ., ALTINTAS Y., Patarroyo J., Demir H. V. , Puentes V. F. , Mutlugun E., ÖNSES M. S.
NANOSCALE, cilt.12, sa.2, ss.895-903, 2020 (SCI İndekslerine Giren Dergi)
- XI. **Multiplexed patterning of cesium lead halide perovskite nanocrystals by additive jet printing for efficient white light generation**
ALTINTAS Y., TÖRÜN İ., YAZICI A. F. , Beskazak E., ERDEM T., ÖNSES M. S. , MUTLUGÜN E.
CHEMICAL ENGINEERING JOURNAL, cilt.380, 2020 (SCI İndekslerine Giren Dergi)
- XII. **Giant Alloyed Hot Injection Shells Enable Ultralow Optical Gain Threshold in Colloidal Quantum Wells**
Altintas Y., Gungor K., Gao Y., Sak M., Quliyeva U., Bappi G., Mutlugun E., Sargent E. H. , Demir H. V.
ACS NANO, cilt.13, sa.9, ss.10662-10670, 2019 (SCI İndekslerine Giren Dergi)
- XIII. **Cesium-lead based inorganic perovskite quantum-dots as interfacial layer for highly stable perovskite solar cells with exceeding 21% efficiency**
Akin S., ALTINTAS Y., MUTLUGÜN E., Sonmezoglu S.
NANO ENERGY, cilt.60, ss.557-566, 2019 (SCI İndekslerine Giren Dergi)
- XIV. **Highly Stable, Near-Unity Efficiency Atomically Flat Semiconductor Nanocrystals of CdSe/ZnS Hetero-Nanoplatelets Enabled by ZnS-Shell Hot-Injection Growth**
Altintas Y., Quliyeva U., Gungor K., Erdem O., Kelestemur Y., Mutlugun E., KOVALENKO M. V. , Demir H. V.
SMALL, cilt.15, sa.8, 2019 (SCI İndekslerine Giren Dergi)
- XV. **FRET enabled light harvesting within quantum dot loaded nanofibers**
ALTINTAS Y., KİREMİTLER N. B. , GENÇ S., ÖNSES M. S. , MUTLUGÜN E.
JOURNAL OF PHYSICS D-APPLIED PHYSICS, cilt.51, sa.6, 2018 (SCI İndekslerine Giren Dergi)
- XVI. **Cd-free quantum dot pellets for efficient white light generation**
ALTINTAS Y., TALPUR M. Y. , MUTLUGÜN E.
OPTICS EXPRESS, cilt.25, sa.23, ss.28371-28384, 2017 (SCI İndekslerine Giren Dergi)
- XVII. **Rec. 2100 color gamut revelation using spectrally ultranarrow emitters**
Genc S., UĞUZ M., YILMAZ O., Mutlugun E.
OPTICAL ENGINEERING, cilt.56, sa.11, 2017 (SCI İndekslerine Giren Dergi)
- XVIII. **Excitonic interaction amongst InP/ZnS salt pellets**
ALTINTAS Y., YAZICI A. F. , ÜNLÜ M., DADI Ş., GENÇ S., MUTLUGÜN E.
JOURNAL OF MATERIALS CHEMISTRY C, cilt.5, sa.29, ss.7328-7336, 2017 (SCI İndekslerine Giren Dergi)
- XIX. **Efficient Forster Resonance Energy Transfer Donors of In(Zn)P/ZnS Quantum Dots**
ALTINTAS Y., TALPUR M. Y. , MUTLUGÜN E.
JOURNAL OF PHYSICAL CHEMISTRY C, cilt.121, sa.5, ss.3034-3043, 2017 (SCI İndekslerine Giren Dergi)
- XX. **The effect of ligand chain length on the optical properties of alloyed core-shell InPZnS/ZnS quantum dots**
ALTINTAS Y., TALPUR M. Y. , MUTLUGÜN E.
Journal of Alloys and Compounds, cilt.711, ss.335-341, 2017 (SCI İndekslerine Giren Dergi)
- XXI. **CdSe/ZnS quantum dot films for high performance flexible lighting and display applications**
ALTINTAS Y., GENÇ S., Talpur M. Y. , MUTLUGÜN E.
NANOTECHNOLOGY, cilt.27, sa.29, 2016 (SCI İndekslerine Giren Dergi)
- XXII. **CdSe/ZnS quantum dot films for high performance flexible lighting and display applications.**
ALTINTAS Y., GENÇ S., TALPUR M. Y. , MUTLUGÜN E.
NANOTECHNOLOGY, ss.295604-295612, 2016 (SCI İndekslerine Giren Dergi)
- XXIII. **Highly Efficient Cd-Free Alloyed Core/Shell Quantum Dots with Optimized Precursor Concentrations**
ALTINTAS Y., TALPUR M. Y. , ÜNLÜ M., MUTLUGÜN E.
JOURNAL OF PHYSICAL CHEMISTRY C, cilt.120, sa.14, ss.7885-7892, 2016 (SCI İndekslerine Giren Dergi)
- XXIV. **Exciton dynamics in luminescent carbon nanodots: Electron-hole exchange interaction**

- Peng B., Lu X., Chen S., Huan C. H. A. , Xiong Q., Mutlugun E., Demir H. V. , Yu S. F.
NANO RESEARCH, cilt.9, sa.2, ss.549-559, 2016 (SCI İndekslerine Giren Dergi)
- XXV. **Trans-cis isomerization assisted synthesis of solution-processable yellow fluorescent maleic anhydrides for white-light generation**
Özdemir M., GENÇ S., ÖZDEMİR R., ALTINTAS Y., Citir M., Sen U., MUTLUGÜN E., USTA H.
SYNTHETIC METALS, cilt.210, ss.192-200, 2015 (SCI İndekslerine Giren Dergi)
- XXVI. **Electroluminescence Efficiency Enhancement in Quantum Dot Light-Emitting Diodes by Embedding a Silver Nanoisland Layer**
Yang X., Hernandez-Martinez P. L. , Dang C., Mutlugun E., Zhang K., Demir H. V. , Sun X. W.
ADVANCED OPTICAL MATERIALS, cilt.3, sa.10, ss.1439-1445, 2015 (SCI İndekslerine Giren Dergi)
- XXVII. **Observation of polarized gain from aligned colloidal nanorods**
Gao Y., Van Duong Ta V. D. T. , Zhao X., Wang Y., Chen R., Mutlugun E., Fong K. E. , Tan S. T. , Dang C., Sun X. W. , et al.
NANOSCALE, cilt.7, sa.15, ss.6481-6486, 2015 (SCI İndekslerine Giren Dergi)
- XXVIII. **Light Extraction Efficiency Enhancement of Colloidal Quantum Dot Light-Emitting Diodes Using Large-Scale Nanopillar Arrays**
Yang X., Dev K., Wang J., Mutlugun E., Dang C., Zhao Y., Liu S., Tang Y., Tan S. T. , Sun X. W. , et al.
ADVANCED FUNCTIONAL MATERIALS, cilt.24, sa.38, ss.5977-5984, 2014 (SCI İndekslerine Giren Dergi)
- XXIX. **Colloidal Quantum Dot Light-Emitting Diodes Employing Phosphorescent Small Organic Molecules as Efficient Exciton Harvesters**
Mutlugun E., Guzelturk B., Abiyasa A. P. , Gao Y., Sun X. W. , Demir H. V.
JOURNAL OF PHYSICAL CHEMISTRY LETTERS, cilt.5, sa.16, ss.2802-2807, 2014 (SCI İndekslerine Giren Dergi)
- XXX. **Highly Flexible, Electrically Driven, Top-Emitting, Quantum Dot Light-Emitting Stickers**
Yang X., Mutlugun E., Dang C., Dev K., Gao Y., Tan S. T. , Sun X. W. , Demir H. V.
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- XXXI. **Hyperbolic metamaterials based on quantum-dot plasmon-resonator nanocomposites**
Zhukovsky S. V. , Ozel T., Mutlugun E., Gaponik N., Eychmuller A., Lavrinenko A. V. , Demir H. V. , Gaponenko S. V.
OPTICS EXPRESS, cilt.22, sa.15, ss.18290-18298, 2014 (SCI İndekslerine Giren Dergi)
- XXXII. **Quantum dots on vertically aligned gold nanorod monolayer: plasmon enhanced fluorescence**
Peng B., Li Z., Mutlugun E., Hernandez Martinez P. L. , Li D., Zhang Q., Gao Y., Demir H. V. , Xiong Q.
NANOSCALE, cilt.6, sa.11, ss.5592-5598, 2014 (SCI İndekslerine Giren Dergi)
- XXXIII. **Stimulated Emission and Lasing from CdSe/CdS/ZnS Core-Multi-Shell Quantum Dots by Simultaneous Three-Photon Absorption**
Wang Y., Van Duong Ta V. D. T. , Gao Y., He T. C. , Chen R., Mutlugun E., Demir H. V. , Sun H. D.
ADVANCED MATERIALS, cilt.26, sa.18, ss.2954-2961, 2014 (SCI İndekslerine Giren Dergi)
- XXXIV. **Transition metal oxides on organic semiconductors**
Zhao Y., Zhang J., Liu S., Gao Y., Yang X., Leck K. S. , Abiyasa A. P. , Divayana Y., Mutlugun E., Tan S. T. , et al.
ORGANIC ELECTRONICS, cilt.15, sa.4, ss.871-877, 2014 (SCI İndekslerine Giren Dergi)
- XXXV. **Nanosecond colloidal quantum dot lasers for sensing**
Guilhabert B., Foucher C., Haughey A., Mutlugun E., Gao Y., Herrnsdorf J., Sun H. D. , Demir H. V. , Dawson M. D. , Laurand N.
OPTICS EXPRESS, cilt.22, sa.6, ss.7308-7319, 2014 (SCI İndekslerine Giren Dergi)
- XXXVI. **Solution Processed Tungsten Oxide Interfacial Layer for Efficient Hole-Injection in Quantum Dot Light-Emitting Diodes**
Yang X., Mutlugun E., Zhao Y., Gao Y., Leck K. S. , Ma Y., Ke L., Tan S. T. , Demir H. V. , Sun X. W.
SMALL, cilt.10, sa.2, ss.247-252, 2014 (SCI İndekslerine Giren Dergi)
- XXXVII. **Stable, Efficient, and All-Solution-Processed Quantum Dot Light-Emitting Diodes with Double-Sided Metal Oxide Nanoparticle Charge Transport Layers**
Yang X., Ma Y., Mutlugun E., Zhao Y., Leck K. S. , Tan S. T. , Demir H. V. , Zhang Q., Du H., Sun X. W.
ACS APPLIED MATERIALS & INTERFACES, cilt.6, sa.1, ss.495-499, 2014 (SCI İndekslerine Giren Dergi)
- XXXVIII. **AC-driven, color-and brightness-tunable organic light-emitting diodes constructed from an electron only device**

- Zhao Y., Chen R., Gao Y., Leck K. S., Yang X., Liu S., Abiyasa A. P., Divayana Y., Mutlugun E., Tan S. T., et al. **ORGANIC ELECTRONICS**, cilt.14, sa.12, ss.3195-3200, 2013 (SCI İndekslerine Giren Dergi)
- XXXIX. **Quantum Dot Light-Emitting Diode with Quantum Dots Inside the Hole Transporting Layers**
Leck K. S., Divayana Y., Zhao D., Yang X., Abiyasa A. P., Mutlugun E., Gao Y., Liu S., Tan S. T., Sun X. W., et al. **ACS APPLIED MATERIALS & INTERFACES**, cilt.5, sa.14, ss.6535-6540, 2013 (SCI İndekslerine Giren Dergi)
- XL. **Observation of Selective Plasmon-Exciton Coupling in Nonradiative Energy Transfer: Donor-Selective versus Acceptor-Selective Plexcitons**
Ozel T., Hernandez-Martinez P. L., Mutlugun E., Akin O., Nizamoglu S., Ozel I. O., Zhang Q., Xiong Q., Demir H. V. **NANO LETTERS**, cilt.13, sa.7, ss.3065-3072, 2013 (SCI İndekslerine Giren Dergi)
- XLI. **Observation of Biexcitons in Nanocrystal Solids in the Presence of Photocharging**
Cihan A. F., Martinez P. L. H., Kelestemur Y., Mutlugun E., Demir H. V. **ACS NANO**, cilt.7, sa.6, ss.4799-4809, 2013 (SCI İndekslerine Giren Dergi)
- XLII. **Plasmonic light-sensitive skins of nanocrystal monolayers**
Akhavan S., Gungor K., Mutlugun E., Demir H. V. **NANOTECHNOLOGY**, cilt.24, sa.15, 2013 (SCI İndekslerine Giren Dergi)
- XLIII. **Bio-nanohybrids of quantum dots and photoproteins facilitating strong nonradiative energy transfer**
Seker U. O. S., Mutlugun E., Hernandez-Martinez P. L., Sharma V. K., Lesnyak V., Gaponik N., Eychmueller A., Demir H. V. **NANOSCALE**, cilt.5, sa.15, ss.7034-7040, 2013 (SCI İndekslerine Giren Dergi)
- XLIV. **Large-Area (over 50 cm x 50 cm) Freestanding Films of Colloidal InP/ZnS Quantum Dots**
Mutlugun E., Hernandez-Martinez P. L., Eroglu C., Coskun Y., Erdem T., Sharma V. K., Unal E., Panda S. K., Hickey S. G., Gaponik N., et al. **NANO LETTERS**, cilt.12, sa.8, ss.3986-3993, 2012 (SCI İndekslerine Giren Dergi)
- XLV. **Excitonic enhancement of nonradiative energy transfer from a quantum well in the optical near field of energy gradient quantum dots**
Nizamoglu S., Hernandez-Martinez P. L., Mutlugun E., Karatay D. U., Demir H. V. **APPLIED PHYSICS LETTERS**, cilt.100, sa.24, 2012 (SCI İndekslerine Giren Dergi)
- XLVI. **Quantum dot integrated LEDs using photonic and excitonic color conversion**
Demir H. V., Nizamoglu S., Erdem T., Mutlugun E., Gaponik N., Eychmueller A. **NANO TODAY**, cilt.6, sa.6, ss.632-647, 2011 (SCI İndekslerine Giren Dergi)
- XLVII. **Photocatalytic hybrid nanocomposites of metal oxide nanoparticles enhanced towards the visible spectral range**
Perkgoz N. K., Toru R. S., Unal E., Sefunc M. A., Tek S., Mutlugun E., Soganci I. M., Celiker H., Celiker G., Demir H. V. **APPLIED CATALYSIS B-ENVIRONMENTAL**, cilt.105, ss.77-85, 2011 (SCI İndekslerine Giren Dergi)
- XLVIII. **Spatially Selective Assembly of Quantum Dot Light Emitters in an LED Using Engineered Peptides**
Demir H. V., Seker U. O. S., Zengin G., Mutlugun E., Sari E., Tamerler C., Sarikaya M. **ACS NANO**, cilt.5, sa.4, ss.2735-2741, 2011 (SCI İndekslerine Giren Dergi)
- XLIX. **Anisotropic Emission from Multi layered Plasmon Resonator Nanocomposites of Isotropic Semiconductor Quantum Dots**
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- L. **Photovoltaic nanopillar radial junction diode architecture enhanced by integrating semiconductor quantum dot nanocrystals as light harvesters**
Guzelturk B., Mutlugun E., Wang X., Pey K. L., Demir H. V. **APPLIED PHYSICS LETTERS**, cilt.97, sa.9, 2010 (SCI İndekslerine Giren Dergi)
- LI. **Highly efficient nonradiative energy transfer mediated light harvesting in water using aqueous CdTe quantum dot antennas**
Mutlugun E., Samarskaya O., Ozel T., Cicek N., Gaponik N., Eychmueller A., Demir H. V. **OPTICS EXPRESS**, cilt.18, sa.10, ss.10720-10730, 2010 (SCI İndekslerine Giren Dergi)
- LII. **Highly efficient nonradiative energy transfer using charged CdSe/ZnS nanocrystals for light-**

harvesting in solution

Mutlugun E., Nizamoglu S., Demir H. V.

APPLIED PHYSICS LETTERS, cilt.95, sa.3, 2009 (SCI İndekslerine Giren Dergi)

- LIII. **Structural tuning of color chromaticity through nonradiative energy transfer by interspacing CdTe nanocrystal monolayers**
Cicek N., Nizamoglu S., Ozel T., Mutlugun E., Karatay D. U. , Lesnyak V., Otto T., Gaponik N., Eychmueller A., Demir H. V.
APPLIED PHYSICS LETTERS, cilt.94, sa.6, 2009 (SCI İndekslerine Giren Dergi)
- LIV. **Selective enhancement of surface-state emission and simultaneous quenching of interband transition in white-luminophor CdS nanocrystals using localized plasmon coupling**
Ozel T., Soganci I. M. , Nizamoglu S., Huyal I. O. , Mutlugun E., Sapra S., Gaponik N., Eychmueller A., Demir H. V.
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- LV. **Tuning shades of white light with multi-color quantum-dot-quantum-well emitters based on onion-like CdSe-ZnS heteronanocrystals**
Demir H. V. , Nizamoglu S., Mutlugun E., Ozel T., Sapra S., Gaponik N., Eychmueller A.
NANOTECHNOLOGY, cilt.19, sa.33, 2008 (SCI İndekslerine Giren Dergi)
- LVI. **Photovoltaic nanocrystal scintillators hybridized on Si solar cells for enhanced conversion efficiency in UV**
Mutlugun E., Soganci I. M. , Demir H. V.
OPTICS EXPRESS, cilt.16, sa.6, ss.3537-3545, 2008 (SCI İndekslerine Giren Dergi)
- LVII. **Dual-color emitting quantum-dot-quantum-well CdSe-ZnS heteronanocrystals hybridized on InGaN/GaN light emitting diodes for high-quality white light generation**
Nizamoglu S., Mutlugun E., Ozel T., Demir H. V. , Sapra S., Gaponik N., Eychmueller A.
APPLIED PHYSICS LETTERS, cilt.92, sa.11, 2008 (SCI İndekslerine Giren Dergi)
- LVIII. **White emitting CdS quantum dot nanoluminophores hybridized on near-ultraviolet LEDs for high-quality white light generation and tuning**
Nizamoglu S., Mutlugun E., Akyuz O., Perkgoz N. K. , Demir H. V. , Liebscher L., Sapra S., Gaponik N., Eychmueller A.
NEW JOURNAL OF PHYSICS, cilt.10, 2008 (SCI İndekslerine Giren Dergi)
- LIX. **Localized plasmon-engineered spontaneous emission of CdSe/ZnS nanocrystals closely-packed in the proximity of Ag nanoisland films for controlling emission linewidth, peak, and intensity**
Soganci I. M. , Nizamoglu S., Mutlugun E., Akin O., Demir H. V.
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- LX. **White light generation tuned by dual hybridization of nanocrystals and conjugated polymers**
Demir H. V. , Nizamoglu S., Ozel T., Mutlugun E., Huyal I. O. , Sari E., Holder E., Tian N.
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- LXI. **Nanocrystal hybridized scintillators for enhanced detection and imaging on Si platforms in UV**
Mutlugun E., Soganci I. M. , Demir H. V.
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- LXII. **Comparative study of optically activated nanocomposites with photocatalytic TiO₂ and ZnO nanoparticles for massive environmental decontamination**
Tek S., Mutlugun E., Soganci I. M. , Perkgoz N. K. , Yucel D., Celiker G., Demir H. V.
JOURNAL OF NANOPHOTONICS, cilt.1, 2007 (SCI İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

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