

Curriculum Vitae

PERSONAL INFORMATION

Name and surname **Hrvoje Skenderović**
 Academic title Dr. sc
 Year and institution 1999. University of Zagreb
 of PhD obtained
 Address Hrastovac 13A, 10000 Zagreb
 Phone 098 9746309
 E-mail hrvoje@ifs.hr
 Personal web page <http://projekt2.ifs.hr/skenderovic/skenderovic.htm>
 Citizenship Croatian
 Date and place of birth 5.10.1964. Subotica

WORK EXPERIENCE¹ (CHRONOLOGICALLY*)

Date (from – until) 2016-
 Institution *Institute of Physics*
 Position *Scientific Advisor*
 Work field *Femtosecond spectroscopy, Digital Holography*
 Date (from – until) 2007- 2016
 Institution *Institute of Physics*
 Position *Senior Research associate*
 Work field *Femtosecond spectroscopy*
 Date (from – until) 2003-2007
 Institution *Institute of Physics*
 Position *Research associate*
 Work field *Femtosecond spectroscopy*
 Date (from – until) 2001-2003
 Institution *Max-Planck Institut für Quantenoptik*
 Position *PostDoc*
 Work field *Femtosecond spectroscopy*
 Date (from – until) 1991-2001
 Institution *Institute of Physics*
 Position *Assistent*
 Work field *Light Sources, Electric Discharge*

EDUCATION² (CHRONOLOGICALLY)

Date 15.2.1999.
 Place Zagreb
 Institution *University of Zagreb*
 Title of qualification awarded **Ph.D.**
 Date 15.4.1995.
 Place Zagreb
 Institution *University of Zagreb*
 Title of qualification awarded **M.Sc.**

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* all information in the document should be entered chronologically – from the most recent to the oldest

Date 30.11.1990.
 Place Zagreb
 Institution University of Zagreb
 Title of qualification awarded **Dipl.Ing.**

TRAINING
 (CHRONOLOGICALLY)

Year 2011-2012.
 Place Heidelberg
 Institution Universität Heidelberg, Physical Chemistry Institute
 Subject and skills covered *fs CARS, MID IR transient absorption*
 Year 2009
 Place Garching, Germany
 Institution Max-Planck Institut für Quantenoptik
 Subject and skills covered *MID IR spectroscopy with short pulses*
 Year 2007
 Place Munich
 Institution Ludwig Maximilian Universität
 Subject and skills covered *Experimental realization of quantum entanglement*
 Year 2001-2003
 Place Garching, Germany
 Institution Max-Planck Institut für Quantenoptik
 Subject and skills covered *Femtosecond spectroscopy, Pulse shaping, Coherent Control*

LANGUAGES

MOTHER TONGUE **Croatian**
ENGLISH LANGUAGE
 Speaking **X**
 Writing **X**
 Reading **X**

OTHER FOREIGN LANGUAGES³

Language **German**
 Speaking **X**
 Writing **X**
 Reading **X**

RESEARCH AND OTHER PROJECTS

(CHRONOLOGICALLY; LEADER AND ASSOCIATES; FUNDING SOURCE)

1. Izobrazba Novih doktora znanosti, DOK-2020-01, mentor, HRZZ, 2021.-
2. NATO Science for Peace and Security, „Biological and Bioinspired Structures for Multispectral Surveillance“, leader, Nato 2019. -
3. Center for Advanced Laser Techniques (CALT), KK.01.1.1.05, associate, Europski fond za regionalni razvoj, 2017-
4. Center for Excellence for Advanced Materials and Sensing Devices, associate, HrZZ, 2015 -
5. COST Action MP1208, member of Committee, 2012 - 2017.

Holography and Interferometry under weak illumination, associate, HrZZ, 2015 - 2019.
 Evaluation of new bioactive materials and procedures in restorative dental medicine, associate, HrZZ, 2011.-2014.
 Experiments in quantum communication and information, assoc. MZOŠ, 2007 - 2011
 Novel FWM Spectropies for Optical Nonlinearities and Electronic Correlations of Nanocrystals, leader, HR/AU, 2010-2011.
 Femtosecond laser physics of atoms and molecules, assoc, MZOŠ, 2007 - 2011
 Femtosecond laser spectroscopy and ultracold molecules, assoc, MZOŠ, 2002-2006.

Laser guiding and diagnostics in plasma, associate, MZOŠ, 1996-2002.
Diagnostics of atomic systems and physics of coherent fields, associate, MZOŠ, 1991-1995.

TEACHING

(CHRONOLOGICALLY; UNDERGRADUATE, GRADUATE, POSTGRADUATE STUDY PROGRAMMES)

1. Physics for Biology students, University Zagreb, 2008.
2. Mentor seminara na studiju fizike: Bruno Babić, Prostorno strukturiranja svjetlosti, 2021

MENTORSHIP OF DEFENDED DOCTORAL AND MASTER DISSERTATIONS AND TRAINING OF YOUNG RESEARCHERS AND SCIENTISTS

(CHRONOLOGICALLY)

Diploma Thesis:

1. Pašić, Zoran (2011)

Pobuđivanje i opažanje valnih paketa pomoću ultrakratkih laserskih pulseva, University of Zagreb, Faculty of Sciences

PhD thesis in work, mentor :

1. Denis Abramović, Application of quantum light in holography, 2020. – 2022.
2. Ali Mardan Dezfouli, 2021. -

PhD thesis, defended, co-mentor:

1. I. Repušić, Učinak jednovalne i viševalne polimerizacijske svjetlosti na fizikalna i optička svojstva različitih kompozitnih materijala, University of Zagreb, School of Dentistry, 2020.
2. N. Španović, Bioaktivna stakla 45S5 i fizikalno-kemijska svojstva eksperimentalnih kompozitnih materijala, University of Zagreb, School of Dentistry, 2019.

Contributed in mentoring:

PhD:

J. Hauer (*Kohärente Steuerung von Wellenpaketdynamik an konischen Durchschneidungen*, Philipps-Universität Marburg, 2007)

S. Vdović (*Nelinearni efekti interakcije lasera i alkalijskih para*, Sveučilište u Zagrebu, 2010)

Diploma Thesis:

T. Ban (*Primjena diodnih lasera i svjetlećih dioda u atomske i molekulske spektroskopiji*, Sveučilište u Zagrebu, 1997)

S. Kahra (*Phasenmodulation von Femtosekundenimpulsen im UV und deren Anwendung zur kohärenten Kontrolle von Molekülen*, Ludwig-Maximilians-Universität München, 2005)

VISITS TO FOREIGN RESEARCH AND EDUCATION INSTITUTIONS

(CHRONOLOGICALLY; ONLY VISITS LONGER THAN 3 MONTHS)

MPQ Garching, 2001 – 2003

LMU Munich, 1 month 2007

MPQ Garching, 3 months 2009

Universität Wien, 1 month 2010

Universität Wien, 1 month 2011

Universität Heidelberg, 5.2011-9.2012.

ORGANIZATIONAL SKILLS AND COMPETENCES

(CHRONOLOGICALLY; ORGANIZATION OF HOME AND INTERNATIONAL SCIENCE EVENTS)

1. Brijuni Conference: Laser Control and Molecular Switches, member of organization board, 2005.
2. Brijuni Conference: Pulse Shaping and Coherent Control, member of organization board, 2007.

3. Fifth scientific meeting of the Croatian physical society, member of organization board, 2007.
4. Humboldt College Science and Educational Challenges Facing Europe in the Next Decade, On the occasion of the 250th anniversary of the birth of Alexander von Humboldt (1769–1859), Zagreb, October 10-11, 2019.
- Book of Abstracts, Editors: Mile Ivanda and Hrvoje Skenderović

MEMBERSHIP IN SCIENCE ORGANIZATIONS AND BODIES
(CHRONOLOGICALLY; HOME AND INTERNATIONAL ORGANIZATIONS AND BODIES)

Member: HFD, OSA, DPG

COMMISSIONS, COMMITTEES, BOARDS AND WORK GROUPS
(CHRONOLOGICALLY; HOME AND INTERNATIONAL)

COST Action MP1208, member of Committee, 2012 - 2017

PAPERS
(CHRONOLOGICALLY; RESEARCH BOOKS, HOME AND INTERNATIONAL RESEARCH JOURNALS, HOME AND INTERNATIONAL CONFERENCE PROCEEDINGS; **PLEASE WRITE THEIR IMPACT FACTOR**)

Number of publications:

49 Web of Science Core Collection, Number of citation: 627 (WoSCC), h-index: 14
(Google scholar: 976, h-index 20)
(List attached)

Seminars:

2007. *Frequency Comb Spectroscopy*, Ludwig Maximilian Universität, Minhen
2008. *FWM in sodium vapour*, Institut für Experimentalphysik, Graz
2008. *Femtosecond spectroscopy*, Elettra, Trst
2009. *Probing molecules in MID IR with ultrashort pulses*, Sveučilište Liege
2010. *Third Harmonic Generation with FWM*, Universität Wien, Beč
2010. *Ultrabrza spektroskopija*, Mikroskopijska konferencija, IF Zagreb
2013. *Ispitivanje ultrabrze dinamike Wolffovog preuređenja u vidljivom i srednjem IR valnom području*, Kolokvij Zavoda za organsku kemiju i biokemiju IRB

Invited Talks:

1. H. Skenderović, *Biologically inspired structures for multispectral imaging*, The 3rd International Congress on Advanced Materials Sciences and Engineering, Opatija, Croatia, 21. -25. 7. **2022**.
2. H. Skenderović, M. Stipčević, N. Demoli, *Digital holography under restricted conditions*, Jedanaesta radionica fotonike, **2018**
3. H. Skenderović, *Time-resolved techniques with ultrashort pulses in examination of specific vibrational states of matter*, Training School on Raman Spectroscopy, 25.9.**2015**. Zagreb
4. H. Skenderović, *Ultrafast transient absorption spectroscopy*, Radionica Fotonike, Kopaonik, 4. - 7.3.**2013**.
5. H. Skenderović, *Four-wave Mixing with Femtosecond Pulses*, 15th Central European Workshop on Quantum Optics, 30.5 - 3.6.**2008**. Beograd

Otjher Talks(since 2017.):

1. H. Skenderović, D. Abramović, „Holography with Single Photons“, Verhandlungen, DPG Spring Meeting, SAMOP 2023, 5. – 10. 3. **2023.**, Hannover, Njemačka
2. H. Skenderović, „Butterfly Wings as an Optomechanical Array for Imaging“, 2022 Digital Holography and 3D Imaging Topical Meeting, 01. –04.08. **2022**, Cambridge, UK,
3. H. Skenderović, D. Abramović,
Phase and Amplitude Reconstruction of Heralded Single Photon Holograms.
Budimpešta, Mađarska, **2022.** str. 15-15

Posters (since 2017.):

5. Skenderović, Hrvoje; Abramović, Denis; Demoli, Nazif; Pantelić, Dejan
Biological samples used for imaging. // Book of abstracts EGAS52 / Danijel Buhin (ur.). Zagreb, **2021.** str. 57-57 (poster, međunarodna recenzija, sažetak, znanstveni)
4. Skenderović, Hrvoje; Rakić, Mario, Klarić Sever, Eva; Vdović, Silvije
Temperature rise in human tooth upon drilling by femtosecond pulses. // Ecamp 2019, Abstract Book
Firenca, **2019.** str. 378-378. (<https://www.bib.irb.hr/996217>) (poster, međunarodna recenzija, prošireni sažetak, znanstveni)
3. Skenderović, Hrvoje; Stipcevic, Mario; and Demoli, Nazif:
Digital Holography at Restricted Conditions and Photon Counting Approach //
Conference on Lasers and Electro-Optics/Europe – European Quantum Electronics Conference (CLEO@/Europe-EQEC 2019)
Minhen, Njemačka, 23. – 27. 6. **2019.**
2. Skenderović, Hrvoje; Demoli Nazif; Abramović, Denis; Jelenković, Bana; Pantelić Dejan
Holography and bio-inspired structures for surveillance. // Science and Educational Challenges Facing Europe in the Next Decade / Ivanda, Mile ; Skenderović, Hrvoje (ur.).
Zagreb: Klub hrvatskih humboldtovaca, **2019.** str. 59-59 (poster, domaća recenzija, sažetak, znanstveni)
1. Skenderović, Hrvoje; Klarić Sever, Eva; Rakić, Mario; Vdović, Silvije, Negovetić Mandić, Višnja
Femtosecond Laser for Cavity Preparation: Temperature Measurement. // Journal of Dental Research
Beč, Austrija, **2017.** str. 160-160 (poster, međunarodna recenzija, sažetak, znanstveni)

COMPUTER SKILLS

LabView, Matlab, Fortran, Basic, MS Office, Origin, Designer, Corel
Certified Labview Associate Developer (CLAD), 2014

OTHER RESEARCH ACTIVITIES

(CHRONOLOGICALLY; CHIEF EDITOR OR EDITOR OF RESEARCH BOOK, HOME AND INTERNATIONAL RESEARCH JOURNALS, HOME AND INTERNATIONAL CONFERENCE PROCEEDINGS AND OTHER)

Referee for: Journal of Physics B, Journal of Physics D, Measurement Science and Technology, Journal of Optics A, New Journal of Physics, Photonics, Applied sciences, Nanomaterials, Optics Communications

Popularization of science:

1. H. Skenderović, prilog u znanstvenoj emisiji HTV "Treći element", povodom Nobelove nagrade za fiziku 2022.
2. H. Skenderović, Znanstvena emisija HTV "Prometej", Holografija bioloških struktura, 16.10.2020. Video
3. H. Skenderović, Intervju u Jutarnjem listu, Hrvati za Nato rade kameru inspiriranu mikrolamelama leptirovih krila, 13.6.2020.
4. Open Days at the Institute of Physics, Zagreb (2005.-2013.)
5. The *Festival of Science*, Zagreb (2007)

List of Publications (WoSCC):

- 49.** A. L. Brkić, V. Cviljušac, H. Skenderović, M. Rakić,
Unifying fast Computer-Generated Hologram calculation and prepress for new and existing
production techniques.
Applied Optics, accepted, (2023)
- 48.** A. Mardan Dezfouli, D. Abramović, M. Rakic, and **H. Skenderovic**,
*Detection of the Orbital Angular Momentum State of Light using Sinusoidally-shaped Phase
Grating*, Appl. Phys. Lett. **120**, (20) 191106 (2022), (Q2=1, IF= 3.8)
- 47.** N. Demoli, D. Abramović, O. Milat, M. Stipčević, **H. Skenderović**,
Linearity and optimum-sampling in photon-counting digital holographic microscopy,
Photonics, **9**(2) p 68.1 – 14 (2022) (Q2=1, IF= 2.6)
- 46.** M. Par, K. Prskalo, T. Tauböck, **H. Skenderović**, T. Attin, Z. Tarle,
*Polymerization kinetics of experimental resin composites functionalized with conventional
(45S5) and a customized low-sodium fluoride-containing bioactive glass*,
Sci Rep **11**, 21225 (2021).
- 45.** S. Jakovljević, D. Mezdić, G. Baršić, **H. Skenderović**,
Investigation Into the Effects of Laser Texturing on the Wettability of Ti-6Al-4V Alloy,
Transactions of FAMENA **45** (4) 1-12, (2021).
- 44.** M. Par, I. Repušić, **H. Skenderović**, Z. Tarle
*Wavelength-dependent light transmittance in resin compsites: practical implications for
curing units with different emission spectra*
Clin. Oral Investig. **23**, 4399 (2019)
- 43.** M. Par, I. Repušić, **H. Skenderović**, O. Milat, J. Spajić, Z. Tarle
*The effects of extended curing time and radiant energy on microhardness and temperature
rise of conventional and bulk-fill resin composites*
Clin. Oral Investig. **23**, 3777 (2019)
- 42.** M. Par, I. Repusic, **H. Skenderović**, E. Klarić Sever, D. Marović, Z. Tarle
*Real-time light transmittance monitoring for determining polymerization completeness of
conventional and bulk-fill dental composites*
Operative Dentistry **43** E19-E31 (2018).
- 41.** M. Par, N. Španović, R. Bjelovučić, **H. Skenderović**, O. Gamulin, Z. Tarle
*Curing potential of experimental resin composites with systematically varying amount of
bioactive glass: Degree of conversion, light transmittance and depth of cure*
Journal of Dentistry **75** 113-120 (2018). IF= 3.7 (Q1=1)
- 40.** M. Stipčević, N. Demoli, **H. Skenderović**, M. Lončarić, A. Radman, J. Gladić, D. Lovrić,
*Effective procedure for determination of unknown vibration frequency and phase using
time-averaged digital holography*
Opt. Express **25** 10241 (2017). IF=3.8, (Q1=1)
- 39.** D. Meljanac, K. Jurać, V. Mandić, **H. Skenderović**, S. Bernstorff, J. R. Plaisier, A.
Šantić, A. Gajović, B. Šantić, D. Gracin,
*The influence of thermal annealing on the structural, optical and electrical properties of
AZO thin films deposited by magnetron sputtering*
Surf. Coat. Technol **321** 292-299 (2017). IF=2.6 (Q1=0.5, Q2=0.5)
- 38.** M. Par, D. Marovic, **H. Skenderovic**, O. Gamulin, E. Klaric, Z. Tarle,
Transmittance and polymerization kinetics of amorphous calcium phosphate composites
Clinical Oral Investigations **21** 1173 (2017). IF=2.5, Q1=1
- 37.** E. Klarić Sever, N. Šimenc, M Rakić, **H. Skenderović**, I. Sever, Z. Tarle
Effects of bleaching agent on physical and aesthetic properties of restorative materials
Dental Mat. J. **35** 788 (2016) IF=0.7 (Q4=1)
- 36.** D. Dominko, S. Vdović, **H. Skenderović**, D. Starešinić, K. Biljaković, D. Ristić, D.
Ivanda, J. E. Lorenzo, and J. Demsar,
*Static and dynamic properties of low-temperature order in the one-dimensional
semiconductor (NbSe₄)₃I*
Phys. Rev B **94** 104113 (2016) IF=3.7 (Q1=1)
- 35.** M. Rakić, R. Beuc, N. Bouloufa-Maafa, O. Dulieu, G. Pichler, **H. Skenderović**,
Satellite bands of the RbCs molecule in the range of highly excited states
J. Chem. Phys. **144** 204310 (2016) IF=3.0 (Q1=1)
- 34.** M. Par, O. Gamulin, D. Marovic, **H. Skenderovic**, E. Klaric, Z. Tarle,
Conversion and temperature rise of remineralizing composites reinforced with inert fillers
J. Dent. **48** 26 (2016) IF=2.8 (Q1=1)
- 33.** S. Vdović, **H. Skenderović**, G. Pichler,

Pulse reshaping in nearly resonant interaction of femtosecond pulses with dense rubidium vapor
Opt. Communications, **371** 231 (2016). IF=1.5 (Q3=1)

32. D. Meljanec, K. Juraić, M. Plodinec, Z. Siketić, D. Gracin, N. Krstulović, K. Salamon, **H. Skenderović**, Z. Kregar, I. Šrut Rakić, S. Bernstorff
Influence of RF excitation during PLD in oxygen atmosphere on the structural properties and luminescence of nano-crystalline ZnO:Al thinfilms
J. Vac. Sci. Technol A, **34** 021514 (2016) IF=2.3 (Q1=0.5, Q2=0.5)

31. N. Demoli, **H. Skenderović**, M. Stipčević,
Time-averaged photon-counting digital holography
Opt. Letters **40** 4245 (2015) IF=3.3 (Q1=1)

30. N. Demoli, **H. Skenderović**, M. Stipčević,
Digital holography at light levels below noise using a photon-counting approach
Opt.Lett. **39** 5010 (2014) IF=3.3 (Q1=1)

29. **H. Skenderović**, S. Vdović,
Atomic wave-packet dynamics and third-harmonic generation in sodium.
Opt.Lett. **38** 3811 (2013) IF=3.3 (Q1=1)

28. M. Stipčević, **H. Skenderović**, D. Gracin,
Characterization of a novel avalanche photodiode for single photon detection in VIS-NIR range.
Optics express. **18** 17448 (2010) IF=3.8 (Q1=1)

27. D Aumiler; T. Ban, N. Vujičić, S. Vdović, **H. Skenderović**, G Pichler,
Characterization of an optical frequency comb using modified direct frequency comb spectroscopy.
Applied physics B - Lasers and Optics. **97** 553 (2009) IF=2.0, (Q1=0.5, Q2=0.5)

26. T. Ban, D Aumiler, S Vdović, N Vujičić, **H. Skenderović**, G. Pichler,
Coherent population dynamics in rubidium atoms excited by resonant π pulses.
Physical Review A **80** 023425 (2009) IF=2.9 (Q1=0.5, Q2=0.5)

25. **H. Skenderović**,
Four-Wave Mixing with femtosecond pulses
Physica Scripta T. **135**, 014037 (2009) IF=1.1 (Q2=1)

24. **H. Skenderović**, T. Ban, N. Vujičić, D. Aumiler, S. Vdović and G. Pichler:
Cone emission induced by femtosecond excitation in rubidium vapor
Phys. Rev. A, **77**, 063816 (2008). IF=2.9 (Q1=0.5, Q2=0.5)

23. T. Ban, D. Aumiler, **H. Skenderović**, S. Vdović, N. Vujičić, and G. Pichler
Cancellation of the coherent accumulation in rubidium atoms excited by a train of femtosecond pulses
Phys. Rev. A, **76**, 043410 (2007). IF=2.9 (Q1=0.5, Q2=0.5)

22. N. Vujičić, S. Vdović, D. Aumiler, T. Ban, **H. Skenderović**, G. Pichler:
Femtosecond laser pulse train effect on Doppler profile of cesium resonance lines Eur. Phys. J. D **41**, 447 (2007). IF=1.8 (Q2=1)

21. Ban T. Aumiler D. **Skenderović H.** Pichler G.
Mapping of the optical frequency comb to the atom-velocity comb
Phys Rev. A, **73**, 043407 (2006). IF=2.9 (Q1=0.5, Q2=0.5)

20. Hauer J. **Skenderović H.** Kompa K-L. Motzkus M.
Enhancement of Raman Modes by Coherent Control in β -Carotene.
Chem. Phys. Lett. **421** 523-528 (2006). IF=2.4 (Q1=0.5, Q2=0.5)

19. Vujičić N. **Skenderović H.** Ban T. Aumiler D. Pichler G,
Low-density plasma channels generated by femtosecond pulses,
Appl. Phys. B, **82** 377-382 (2006). IF=2.0 (Q1=1)

18. Aumiler D. Ban T. **Skenderović H.** Pichler G,
Velocity Selective Optical Pumping of Rb Hyperfine Lines Induced by a Train of Femtosecond Pulse,
Physical Review Letters. **9523**, 3001, (2005). IF=7.5 (Q1=1)

17. Hornung T. **Skenderović H.** Motzkus M.
Observation of all-trans-beta-carotene wavepacket motion on the electronic ground and excited dark state using degenerate four-wave mixing (DFWM) and pump-DFWM,
Chemical Physics Letters. **402**(4-6):283-288, (2005). IF=2.4 (Q1=0.5, Q2=0.5)

16. Hornung T. **Skenderović H.** Kompa KL. Motzkus M.
Prospect of temperature determination using degenerate four-wave mixing with sub-20 fs pulses,
Journal of Raman Spectroscopy. **35**(11):934-938, (2004). IF=2.0 (Q2=1)

- 15.** Ban T. Beuc R. **Skenderović H.** Pichler G.
Rubidium pure long-range ion-pair molecules.
Europhysics Letters. **66**(4):485-491, (2004). IF=2.1 (Q1=1)
- 14.** Lavorel B. Tran H. Hertz E. Faucher O. Joubert P. Motzkus M. Buckup T. Lang T. **Skenderović H.** Knopp G. Beaud P. Frey HM.
Femtosecond Raman time-resolved molecular spectroscopy.
Comptes Rendus Physique. **5**(2):215-229, (2004). IF=1.1 (Q2=0.5, Q3=0.5)
- 13.** Pichler G. Zivcec V. Beuc R. Mrzljak Z. Ban T. **Skenderović H.** Gunther K. Liu J.
UV, visible and IR spectrum of the Cs high pressure lamp.
Physica Scripta. T105:98-100, 2003. IF=1.1 (Q2=1)
- 12.** **Skenderović H.** Buckup T. Wohlleben W. Motzkus M.
Determination of collisional line broadening coefficients with femtosecond time-resolved CARS.
J. Raman Spectroscopy. **33**(11-12):866-871, (2002). IF=2.0 (Q2=1)
- 11.** **Skenderović H.** Beuc R. Ban T. Pichler G.
Blue satellite bands of KRb molecule: Intermediate long-range states.
European Physical Journal D. **19**(1):49-56, (2002). IF=1.3 (Q2=0.5, Q3=0.5)
- 10.** Ban T. **Skenderović H.** Beuc R. Bronic IK. Rousseau S. Allouche AR. Aubert-Frecon M. Pichler G.
Pure long-range ion-pair Cs-2 molecules.
Chemical Physics Letters. **345**(5-6):423-428, (2001). IF=2.1 (Q2=1)
- 9.** Beuc R. **Skenderović H.** Ban T. Veza D. Pichler G. Meyer W.
Cesium satellite band at 875.2 nm stemming from the Cs-20g⁺ (6p P²_{1/2}+6s S²_{1/2}) state.
European Physical Journal D. **15**(2):209-214, (2001). IF=1.6 (Q2=1)
- 8.** Ban T. **Skenderović H.** Ter-Avetisyan S. Pichler G.
Absorption measurements in dense cesium vapor using a UV-violet light-emitting diode.
Applied Physics B-Lasers & Optics. **72**(3):337-341, (2001). IF=2.0 (Q1=0.5, Q1=0.5)
- 7.** **Skenderovic H.** Labazan I. Milosevic S. Pichler G.
Laser-ignited glow discharge in lithium vapor
Physical Review A. **62**05(5):, 2707 (2000). IF=2.9 (Q1=0.5, Q2=0.5)
- 6.** **Skenderovic H.** Ban T. Pichler G.
LiH emission spectrum from the glow discharge in a heat-pipe oven,
Journal of Physics D-Applied Physics. **33**(4):396-404, (2000). IF= 1.2 (Q2=1)
- 5.** Ban T. **Skenderovic H.** Beuc R. Pichler G.
Photoassociation of cesium atoms into Cs₂ (3)³P_g state at 543.5 nm
Europhysics Letters. **48**(4):378-384, (1999). IF=2.3 (Q1=1)
- 4.** Ban T. Ter-Avetisyan S. Beuc R. **Skenderovic H.** Pichler G.
Photoassociation of cesium atoms into the double minimum Cs₂ 3¹S_u⁺ state
Chemical Physics Letters. **313**(1-2):110-114, (1999). IF=2.3 (Q2=1)
- 3.** **Skenderovic H.** Ban T. Pichler G.
Constriction in lithium glow discharges in a heat-pipe oven
Optics Communications. **161**(4-6):217-222, (1999). IF=1.4 (Q2=1)
- 2.** **Skenderovic H.** Vujnovic V.
A Study of the line broadening constants obtained in a high-pressure mercury discharge
J. Quant. Spectroscopy & Radiative Transfer. **55**(2):155-162, (1996). IF=1.0 (Q3=1)
- 1.** **Skenderovic H.** Bosanac SD.
Classical theory of vibration energy transfer in collinear collisions,
Zeitschrift fur Physik D-Atoms Molecules & Clusters. **35**(2):107-114 (1995). IF=1.6 (Q3=1)