

divya singh

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Also known as

Dr. Divya Singh

Websites & Social Links

<http://people.du.ac.in/~dsingh> (<http://people.du.ac.in/~dsingh>)

Country

India

Keywords

theoretical plasma physics, nonlinear dynamics, laser plasma interaction

Other IDs

Scopus Author ID: 57202477212 (<http://www.scopus.com/inward/authorDetails.url?authorID=57202477212&partnerID=MN8TOARS>)

ResearcherID: AAM-1844-2020 (<https://publons.com/researcher/AAM-1844-2020>)

Education and qualifications (1)

Indian Institute of Technology Delhi: New Delhi, Delhi, IN

2012-07-24 to 2016-07-24 | phd (physics)

Qualification

Source:divya singh

Invited positions and distinctions (1)

European Centre of Nuclear Research: Geneva, Geneva,

CH

| (Physics)

Distinction

Source:divya singh

Membership and service (4)

Association of Asia Pacific Physical Societies: new delhi,

Delhi, KR

Membership

Source:divya singh

Plasma Science Society of India: Gandhinagar, Gujrat, IN

| Life member (Physics)

Membership

Source:divya singh

Indian Physics Association: Mumbai, Maharashtra, IN

| Life member (Physics)

Membership

Source:divya singh**Indian Institute of Technology Delhi: New Delhi, Delhi, IN**

| (physics)

Membership

Source:divya singh**Works (14 of 14)**

Evolution of Plasma Wave Oscillations in Terahertz Frequency Regime in the Wake of Ultra-Short Laser Irradiation on Air Plasma*Springer Proceedings in Physics*

2022 | book-chapter

DOI: 10.1007/978-981-16-7691-8_47

Part of ISBN: 9789811676901*Part of ISBN:* 9789811676918*Part of ISSN:* 0930-8989*Part of ISSN:* 1867-4941**Source:**divya singh**Impact of hot electrons on optical excitation of terahertz radiation by beating of supergaussian lasers in electron-positron collisional plasma***Plasma Research Express*

2020-10 | journal-article

DOI: 10.1088/2516-1067/abc311

Part of ISSN: 2516-1067**Source:**divya singh via Crossref Metadata Search**Strong Terahertz radiation generation via wakefield in collisional plasma***Journal of Taibah University for Science*

2020-09-11 | journal-article

DOI: 10.1080/16583655.2020.1816648

Part of ISSN: 1658-3655**Source:**divya singh via Crossref Metadata Search

Powered multifocal THz radiation by mixing of two Skew (ChG) Cosh-Gaussian laser beams in collisional plasma

arXiv

2020 | other

EID: 2-s2.0-85095486712

Part of ISSN: 23318422

Source:divya singh*via*Scopus - Elsevier

Shape-Dependent Terahertz Radiation Generation Through Nanoparticles

Plasmonics

2020 | journal-article

DOI: 10.1007/s11468-019-01017-5

EID: 2-s2.0-85072017280

Part of ISSN: 15571963 15571955

Source:divya singh*via*Scopus - Elsevier

Strong terahertz radiation generation via wakefield in collisional plasma

arXiv

2020 | other

EID: 2-s2.0-85095541659

Part of ISSN: 23318422

Source:divya singh*via*Scopus - Elsevier

Terahertz emission by multiple resonances under external periodic electrostatic field

Physical Review E

2020 | journal-article

DOI: 10.1103/PhysRevE.101.043207

EID: 2-s2.0-85084522249

Part of ISSN: 24700053 24700045

Source:divya singh*via*Scopus - Elsevier

Terahertz emission during laser-plasma interaction: effect of electron temperature and collisions

Journal of Theoretical and Applied Physics

2020 | journal-article

DOI: 10.1007/s40094-020-00392-3

EID: 2-s2.0-85090306321

Part of ISSN: 22517235 22517227

Source:divya singh*via*Scopus - Elsevier

Magnetic-field-driven Terahertz radiation through wakefield excited by skew-chG lasers in collisional plasma

EPL

2019 | journal-article

DOI: 10.1209/0295-5075/127/55001

EID: 2-s2.0-85075137710

Part of ISSN: 12864854 02955075

Source:divya singhviaScopus - Elsevier

Generation of terahertz radiations by flat top laser pulses in modulated density plasmas

Plasma and Fusion Science

2018-01-03 | book-chapter

DOI: 10.1201/9781315365947-29

Source:divya singh

Multifocal terahertz radiation by intense lasers in rippled plasma

Journal of Theoretical and Applied Physics

2017 | journal-article

DOI: 10.1007/s40094-017-0249-9

EID: 2-s2.0-85020645469

Part of ISSN: 22517235 22517227

Source:divya singhviaScopus - Elsevier

Emission of strong Terahertz pulses from laser wakefields in weakly coupled plasma

Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment

2016 | journal-article

DOI: 10.1016/j.nima.2016.03.108

EID: 2-s2.0-84979468027

Part of ISSN: 01689002

Source:divya singhviaScopus - Elsevier

Enhancement of terahertz emission in magnetized collisional plasma*Plasma Sources Science and Technology*

2015 | journal-article

DOI: 10.1088/0963-0252/24/4/045001

EID: 2-s2.0-84939237442

Part of ISSN: 13616595 09630252

Source:divya singh via Scopus - Elsevier

Terahertz generation by mixing of two super-Gaussian laser beams in collisional plasma*Physics of Plasmas*

2014 | journal-article

DOI: 10.1063/1.4891878

EID: 2-s2.0-84905660883

Part of ISSN: 10897674 1070664X

Source:divya singh via Scopus - Elsevier

Peer review (7)

- review activity for **Advances in science, technology and engineering systems journal. (2)**
- review activity for **Applied optics. (1)**
- review activity for **International journal of magnetics and electromagnetism. (1)**
- review activity for **Journal of Taibah University for Science. (1)**
- review activity for **Optics express. (1)**
- review activity for **Optics letters. (1)**
- review activity for **Scientific reports. (1)**

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