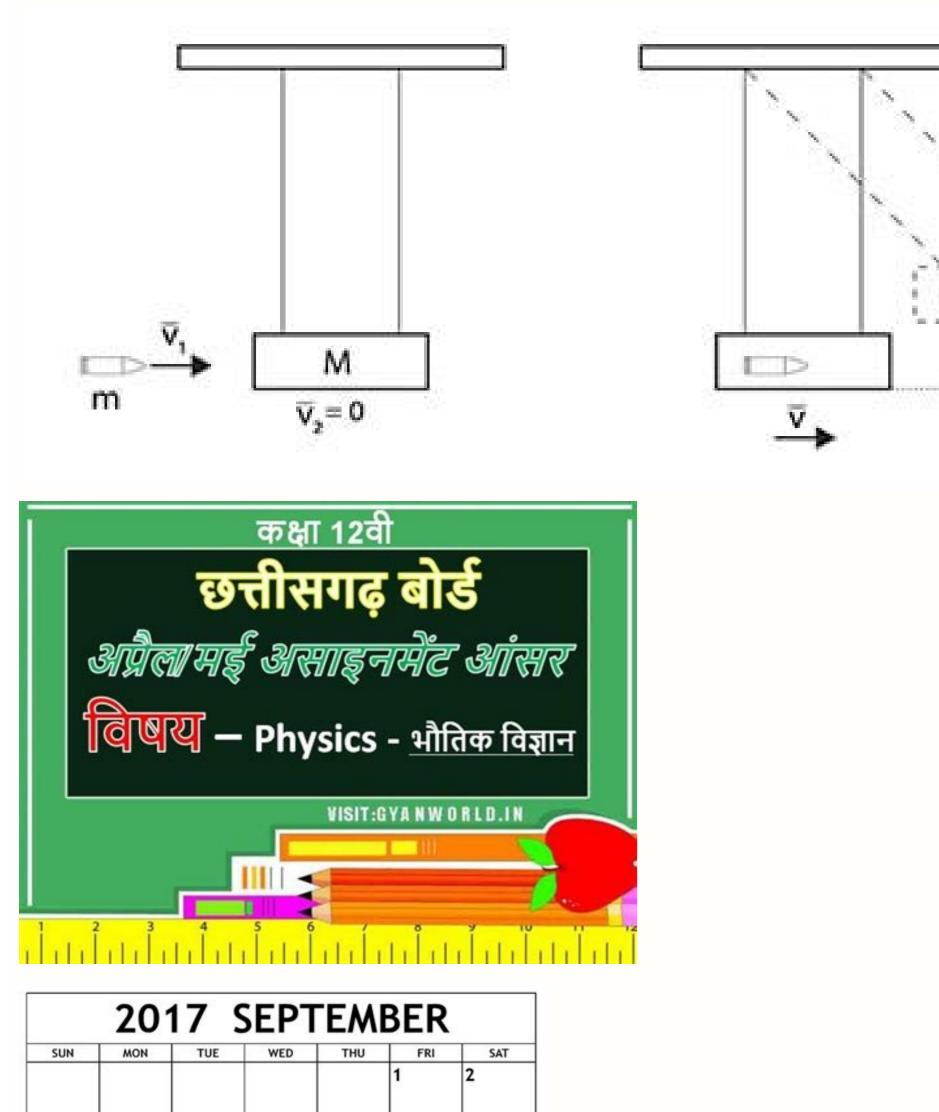




27871848.080645 64064543382 16693797.391753 16303156.013699 51223727.189189 8076787935 45171139680 103816493272 632630 21653695050 7823713.611111 18820067.955056 154728642104 15821606.403846 7371714.8550725 21104157.6 168008257536 7826044.8214286 129217024.85714 520310.02222222 1460151.6 3919649623 57258386766 1560547313 16884432.935484 29478595680 26661361842 13338506.1 14598700746 11037881.5 86748271776 1286653.530303

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COMPUTER AIDED ENGINEERING DRAWING

Max. Marks: 80

Time: 3 Hours (COMMON TO ALL BRANCHES)

Note: 1. Answer three full questions. 2. Use A4 sheets supplied. 3. Draw to actual scale. 4. Missing data, if any, may be assumed suitably.

 a. A point is 30 mm behind VP, 30 mm above HP and 25 mm in front / 10 Marks behind /from LPP. Draw its projections and name the side view.

b. A line AB has its end A 20 mm above the HP and 15 mm in front of the VP. The other end B is 60 mm above the HP and 45 mm in front of VP. The distance between end projectors is 70 mm. Draw its projections. Determine the apparent lengths and true inclinations.

OR

1. A 30°-60° set square of 60 mm longest side is so kept such that the 25 Marks

- longest side is in HP, making an angle of 30° with VP. The set square itself is inclined at 45° to HP. Draw the projections of the set square.
- A hexagonal pyramid 25 mm sides of base and 50 mm axis length is 30 Marks suspended freely from a corner of its base. Draw the projections of the pyramid when the axis appears to be inclined to VP at 45°.
- A frustum of a square pyramid has its base 40 mm sides, top 16 mm sides 25 Marks and height 60 mm, its axis is vertical and side of base is parallel to VP. Draw the projections of the frustum and show the development of the lateral surfaces of it.

OR

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 A pentagonal pyramid of base side 30 mm and axis length 60 mm is resting on HP on its base with a side of base perpendicular to VP. Draw its isometric projections.

Read more about it in the Nature News at 1 July 2019 Study analysed publishing trends A recent study analysed >120 million papers to examine how the academic publishing world has evolved over the last century. 12 August 2015 The AAS has announced a new service to "discover the brightest research in astronomy and astrophysics": AAS Nova (aasnova.org / Twitter: @AASNova). A scientist who was interviewed for a report on the study in the online magazine The Scientist found the following possible explanation: "Papers that are more likely to contend against the status guo are more likely to find an opponent in the review system"—and thus be rejected—"but those papers are also more likely to have an impact on people across the system," earning them more citations when finally published. Among the journals currently provided by SCOAP3 are the European Physical Journal of Cosmology and Astroparticle Physics (JCAP), and the New Journal of Physics. It directly addresses major difficulties often associated with publishing scientific results, including delays and barriers to the re-use of results and high costs. (Neural Migration, 2021, Greg Dunn, www.gregadunn.com.) 25 Oct. We are very much looking forward to working with her! 31 Aug. An article in Physics Today, published on 17 Sep 2021, puts the decision into perspective and provides supportive as well as critical comments from the community. 1. The reason for this move is that "print publications are simply unable to accommodate the growing amount of content that is 'born digital'." More details can be found in an IOP press release: . Understanding Stellar Evolution Henny J.G.L.M. Lamers & Emily Levesque Based on a series of graduate -level courses taught at the University of Washington since 2004, the book is written for physics and astronomy students, and anyone with a physics background who is interested in stars. Library subscriptions, together with substantial contributions from the A&A sponsoring countries, will cover publication and editorial costs. Text anywhere in the page can be selected. 7 November 2013 The Library hosted an IEEE Xplore (training session on Thursday, 7 Nov 2013, 14:00 - 14:45 hrs. Purchased titles can be accessed through the library catalog. They claim to have a greater than 60% find rate for scholarly materials. 30 March 2016 A&A and its publishers, EDP Sciences, just announced the launch of the collaborative platform Writing Studio: Writing Studio is a unique LaTex writing solution designed to simplify the process of writing articles collaboratively on a single version of a paper. A sample of 216 Springer Nature OA books and 17,124 non-OA books was included in the download analysis (using SpringerLink data), and 184 OA books and 14,357 non-OA books in the citations and mentions analysis (using data from Bookmetrix). Unfortunately, there is no mentioning of collaborative OA models which are studied elsewhere (see e.g. the Subscribe to Open Community or the tender issued by the coAlition S. However, this very useful tool is only available for the Firefox and Chrome browsers. This "research and publishing network" aims at providing a platform to find OA content (free of charge) and publish research papers. A selection of forthcoming titles can be found here. In case you missed his talk, here are his presentation slides: Short, Sudden Bursts of Science. 16 February 2017 The ESO Library has created the beta-version of a resolver for references in manuscripts. 11) brings a positive note to authors of papers that have been rejected by journals: it seems that overall, previously rejected manuscripts in the end are cited more often. The plugin has additional functionality which can be tuned according to the user's preferences. It is no exaggeration to say that an era ends. We cordially thank Maria Eugenia for everything she has done during all these years in La Silla and Santiago, and send her our very best wishes for the new phase in her life, along with un abrazo fuerte. For further information, see the ADS blog (updated April 12, 2019) including suggestions to regular Classic users in order to prepare for the transition. 8 January 2014 We are sad to forward this artcile from the New York Times: "Halton C. The number of submissions to journals like Science has soared in recent years; however, many of these journals mainly publish papers in which at least one of the authors has previously published in the journals. ... Fourth, certain trends are shaping the landscape of publishing in top journals mainly published in the career age of the authors and the percentage of returning authors. The Altmetric score is a measure of the quality and quantity of attention that a scholarly article has received. All articles funded by SCOAP3 appear in their repository upon publication. ... Third, we observed an exponential growth in the number of new researchers who publish papers, likely due to career pressures. We also observed that young career researchers tend to publish considerably more than researchers in previous generations did at their career age. Follow this link to download the slides. ePUB adapts to different screen sizes so that scientific articles published in A&A can be downloaded and read offline on most eReaders and tablets with greater reading comfort that PDF or HTML formats. All CUP astronomy books are listed at the publisher's website. If you (co-)authored a paper, please send the SPIE manuscript itself (preferably in PDF) or the arXiv ID to library@eso.org. The plan is to begin disabling searching in Classic in May 2019, with full site retirement foreseen for Q3 2019. The change, which follows months of conflict between the organizations, means that papers once freely available to download now have to be requested directly from their authors." The full article published in The Scientist is available at A THE (Times Higher Education) news item mentioned in The Scientist can be found here: 7 November 2017 IOP Publishing, the publisher of ApJ and AJ, has issued two online guides: Introduction to refereeing This guide is for reviewers and offers help and advice, including some dos and don'ts for writing a referee report Contents: • An introduction to the peer review process • How to write a referee report • After you submit your report • Ethical issues • Frequently asked questions • Publishing glossary/IOP publications Introductory guide for authors This guide will help researchers submit an article to IOP journals, and includes advice on what the publisher looks for in articles, and how to prepare files and manage revisions. 10 July 2014 On June 16 we were happy to welcome Chris Erdmann, formerly at ESO and now Head Librarian of the John G. In summary, this means that nowadays more astronomers are needed to write the same number of papers. Direct communication between co-authors: Co-authors can ask each other questions and can chat for real-time interactions. The session was held by Ms. Eszter Lukacs, IEEE Client Services Manager at SAM (Standards And More) who presented new features and provided Tips & Tricks regarding the IEEE Xplore database, including info on various search modes (basic, advanced, command-driven), how to set up personal accounts and save searches, as well as enhanced features

available through the HTML version of articles. Dropbox online copy. Using references in .tex or .bbl files, the tool converts them into webpages with links to the ADS or publisher. Arp, astronomer who challenged Big Bang theory, dies at 86." The NYT article is available at 7 January 2014 The AAS and IOP Publishing, publisher of the ApJ and AJ, have announced the launch of the Astronomy Image Explorer (AIE), a new tool to easily find and download images and other media published in AAS journals. Open Research Europe will give everyone, researchers and citizens alike, free-of-charge access to the latest scientific discoveries. Hence, don't be surprised to find references to manuscripts which you submitted to astro-ph. 2020: News from ESO Chile Library team August 31, 2020, marks the last working day of Maria Eugenia Gómez. Liberty APC is a useful model for journals at launch stage and for the first years of publication. In order to make our statistics more transparent and reproducible, the numbers are linked to the corresponding records in the telbib database: I In addition, we continue to maintain the "Basic ESO Publication Statistics" document (available from the ESO libraries homepage or directly at which provides more detailed metrics including instrument-level statistics. 16 Aug 2012 A recent post on the O'Reilly radar blog describes text mining projects using ADS abstracts of MNRAS, ApJ, and A&A back to vol. More information about Nature Astronomy and the other upcoming titles can be found in the press release at 19 February 2016 ORCID (Open Researcher and Contributor ID) provides a persistent digital identifier that distinguishes you from every other researcher and supports automated linkages between you and your professional activities, ensuring that your work is recognised and attributed to you. The decision comes after Britain's Cambridge University Press (CUP) said in August it had removed from its website in China about 300 papers and book reviews published in the China Quarterly journal, after a request from the Chinese government. On 23 Feb. Search results can be visualized in various ways, resulting in "on-the-fly" graphs. 20 September 2013 The ESO Library participated in the Science Operations (SciOps) 2013 conference and presented a talk on "ESO telbib: an interconnected database". 2019 Study on manipulated citations The Dutch publisher Elsevier is looking into the possibility that some peer reviewers are encouraging the authors of work under reviewers are encouraging the authors have already enabled author identification through ORCID iDs (e.g., the Nature Publishing Group). 16 Dec. 27 Sep. In case you have any questions, email us at library@eso.org. It explains how you can use ADS, CrossRef and DataCite efficiently to (auto-)update your ORCID account with your publications. The Liberty APCs model means that authors can choose the level of article processing charge they will pay to publish their article. Several formats are available, including PDF, PDF/A and XML. If you wish to link your ORCID profile to your papers, you can do so through the ADS. We offer two dates for our presentation in the library: Thursday, 14th December, 2 - 2:30 pm and Wednesday, 17th January, 3:30 - 4 pm If you have any questions before these dates don't hesitate to email the librarians. The Astronomy Image Explorer is located at 3 November 2017 Info from the reuters.com website: Springer Nature blocks access to certain articles in China BEIJING (Reuters) - Springer Nature, which publishes science magazines Nature and Scientific American, said on Wednesday it had pulled access to a small number of articles in China to comply with regulations, adding that it viewed the move as regrettable but necessary. While providing a similar look and feel as before, the enhanced user interface allows users to search the catalog on a wide range of devices, including smartphones and tablets. The book is accessible to a broad range of experience levels, from graduate students up to senior researchers, in fields ranging from stellar astrophysics to supernovae and high-redshift galaxies. the AAS journals, IOP Publishing, the new website, curated by Susanna Kohler, provides "highlights of recently published articles from the AAS journals to inform astronomy researchers about breakthroughs and discoveries they might otherwise overlook." 15 January 2015 The ESO library catalog has undergone a major software upgrade so that the system now uses responsive web design. The addition of affiliations allows researchers to further distinguish themselves from those with similar names. The Open Access Helper can be downloaded at 21 Oct. The study also notes that women publish 19% fewer articles than men in the 7 years after their first published paper. 8 March 2018 telbib graphs now available in CSV and XLS format The ESO Telescope Bibliography (telbib) connects ESO data papers with the observational data. Starting as soon as this week, it is going to remove all purchased books from the reading devices of those who "bought" them: "Because of digital rights management—the mechanism by which platforms retain control over the digital goods they sell—you have no recourse. However, they only list the metadata (authors, title, abstract, arXiv ID, etc.) and link to the original eprint server for access to the fulltexts. As of today, IOP Publishing will require ORCIDs from corresponding authors submitting to their journals. As this might lead to so-called double-dipping (charging twice for the same content: once through subscriptions, once through subscriptions, once through subscriptions, once through subscriptions (APCs)), the hybrid publishing model is seen very critically by the research community. ORCID is a non-profit organisation that provides a unique digital name, or ID, which identifies researchers and distinguishes them from others with similar names. Reinforcing an open-source strategy, EDP Sciences has chosen the Open Source ShareLateX to develop this new service. 14 November 2017 Members of ResearchGate, a commercial academic social network through which scientists share (also copyrighted) publications, may be interested in the following news: "The academic social network ResearchGate has taken moves to restrict access to at least 1.7 million scholarly articles following threats of legal action by a coalition of publishers including Elsevier and the American Chemical Society (ACS), Times Higher Education reports today (November 9). The report also contains qualitative analysis from authors and funders. 2021: Open Access in Astronomy: why should I care? Some of them can be guessed, e.g., the decreasing number of single-author papers during recent years, but now there are numbers to prove it. One noteworthy finding is that since approx. Nature Astronomy will publish the most significant research, review and comment at the cutting edge of astronomy, astrophysics and planetary science." The editors are not yet known, but will be announced on the "About the Editors" page at . Although a special focus was on biology, some of the overall trends are also valid for astronomy. 2021, the Library participated in an ESO Cosmic Duologue session on Open Access. Moderator: Henri Boffin (ESO). AAS) describe their view of OA in Physics In a statement published on the IOP Publishing website 16 society publishers in physics, among them the AAS, describe their view of OA in Physics In a statement published on the IOP Publishing website 16 society publishers in physics, among them the AAS, describe their view of OA in Physics In a statement published on the IOP Publishing website 16 society publishers in physics, among them the AAS, describe their view of OA in Physics In a statement published on the IOP Publishing website 16 society publishers in physics, among them the AAS, describe their view of OA in Physics In a statement published on the IOP Publishing website 16 society publishers in physics, among them the AAS, describe their view of OA in Physics In a statement published on the IOP Publishing website 16 society publishers in physics, among them the AAS, describe their view of OA in Physics In a statement published on the IOP Publishing website 16 society publishers in physics, among them the AAS, describe their view of OA in Physics In a statement published on the IOP Publishing website 16 society publishers in physics, among them the AAS, describe their view of OA in Physics In a statement published on the IOP Publishing website 16 society publishers in physics, among them the AAS, describe their view of OA in Physics In a statement published on the IOP Publishing website 16 society publishers in physics, among them the AAS, describe their view of OA in Physics In a statement published on the IOP Publishing website 16 society publishers in physics, among them the AAS, describe their view of OA in Physics In a statement published on the IOP Publishing website 16 society publishers in physics, among the AAS, describe the IOP Publishing website 16 society publishers in physics In a statement published on the IOP Publishing view on "Achieving Open Access in Physics". More information is available on A&A's website: 21 March 2016 The Nature Publishing Group announced five new Nature Ettles for January 2017, among them Nature Astronomy (. This page also provides a search box, covering all subject areas. In 2016. 31 October 2014 As ESO is now introducing Office 365/2013, the library recently purchased some e-books that might be of interest to Office 2013 All-In-One For Dummies Microsoft Office 2013 All-In-One For D purchased on paper. ... Lastly, using citation-based measures to "discriminate between scientists" is like comparing academic metrics over 2600 research fields and subfields, we observed vast diversity in the properties of papers in across different domains. An overview of the charges can be found in the Finances section on the AAS OA website. 10 April 2017 Unpaywall is a browser add-on for Firefox or Chrome that will search for Open Access copies of articles across the Internet. The use is free of charge. The next step is to link Writing Studio with all the EDP Sciences journals and their submission systems and integrate this tool in a comprehensive LaTeX dedicated workflow, from the writing of an article through to its online publication. ... Second, it is clear that citation number has become a target for some researchers. We observe a general increasing trend for researchers to cite their previous work in their new studies, with some authors self citing dozens, or even hundreds, of times. To login to the Writing Studio authors have to use their ORCID iD. Following requests from telbib users, additionally the underlying data tables of all charts are now available in the web browser, or as downloads in CSV or XLS format. 2020: Nature and Nature Astronomy to become hybrid journals As of January 2021, several titles included in the Nature portfolio, among them the main Nature magazine and Nature Astronomy, will become hybrid journals. 13 May 2013 A new research repository has been announced: Zenodo which has been announced that as of 2015 all AAS research journals published with IOP will become electronic only and will no longer print paper editions. Easier links to astronomical objects: Authors get auto-completion for stellar objects and additional information using tools developed with the CDS. As of September, she will become the new Librarian in Chile. Instead of manually entering the bibliographic information of your papers, you can now populate your ORCID record through the ADS. 1 Sep. It is rather a staging platform, for further distribution of information. The listing with links to the full texts will be made available at . The amount can be as low as 0 EUR. For more information, see 21 Jan 2013 Recently, news was circulated regarding the idea that mathematicians will launch and run (ideally at zero cost) an open access journal, based on arXiv ("arXiv overlay journal"): "The idea is that the parts of the publication process that academics do voluntarily — editing and refereeing — are just as they are for traditional journals, and we do without the parts that cost money, such as copy-editing and typesetting." The plan is to start in April. Microsoft will refund customers in full for what they paid, plus an extra \$25 if they made annotations or markups. 16 April 2019 ADS Classic to be discontinued The Astrophysics Data System (ADS) is changing interface. 16 November 2017 The Library invites everybody who publishes in scientific papers to join a presentation about ORCID. The scope of the SCOAP3 repository is neither to duplicate arXiv nor the publisher platforms. In order to set up an account, go to An essential part of your ORCID profile is the WORKS section where your publications are listed. Speakers: Uta Grothkopf (ESO, slides) and Anne Ruimy (Senior Publisher at EDP Sciences, slides). The findings have been reported in a Nature News item on Nov. cover: In Neural Migration, the artist and neuroscientist Greg Dunn depicts radial glia (black) creating new neurons (white). They are supported by grants from the National Science Foundation and the Alfred P. They emphsize their commitment to OA, but focus on the (in their view) continued need for hybrid journals (i.e., those journals that operate on a subscription basis but provides a set of predefined charts. If it is recognized as an astronomical object, a dedicated tooltip (pop-up window) will be displayed with links to the remote databases. The new interface, codenamed Bumblebee and under development since 2015, has now reached parity with ADS Classic. The paper was also featured in a Nature News article. on the use of certain keywords in the literature over time or the number of authors per paper. The motto is: Open Access: Redefining Impact. Sloan Foundation. But that provides only the coldest comfort." (WIRED: Microsoft's ebook apocalypse shows the dark side of DRM, "DRM, or digital rights management, refers to the technology that allows businesses to lock down digital copies of the media they sell. The video of this Duologue is available on this YouTube page. 2021: Open Access Transformation for Astronomy & Astrophysics (A&A) The A&A Board of Directors has announced that their journal will move to a Subscribe-to-Open (S2O) model. ... " A blog post about the study is available at The full article can be found at 1 July 2019 Microsoft Store's ebooks to disappear for good. In Case you are interested in other titles in electronic or print format, let us know as we can purchase specific books on request. The OJFA is a community-driven effort to establish a peer-reviewed open access journal based on the arXiv infrastructure that charges neither readers nor authors. 16 February 2016 EDP Sciences, the publisher of A&A, announced today the launch of Liberty APCs (Article Processing Charges), a new model where authors choose their own fair price to publish an article in Open Access (OA). to help disentangle these concepts, the ESO Library has developed a schematic overview of the most common publication business models currently used in science publishing, with a special focus on Gold Open Access and transformative agreements in the context of Plan S (DOI 10.18727/docs/4). 9 October 2013 The library now provides access to e versions of Cambridge University Press (CUP) astronomy books from 2012 onward. The intention of Zenodo is to provide a platform that allows research results including publications and especially data which are not part of the existing institutional or subject-based repositories currently available 2021: Adding publications to your ORCID account The ESO Library prepared the document "Populating your ORCID account with your publications". 25 Mar. A step-by-step guide developed by the ESO Library is available at . The platform will present the results of research funded by Horizon Europe, the EU research and innovation programme for 2021-2027, and its predecessor, Horizon 2020. All services are "provided free by members of the astrophysics community." The full blog post can be found here. A video link to ESO Santiago will be provided. We will discuss - why it might make sense to publish in an OA journal - which criteria can be used to judge the quality of OA journals and publishers - how you can identify so-called 'predatory' publishers - what the current situation is of open access publishing in astronomy Some background information can be found in the introductory presentation given at the Faculty meeting on June 25 (We are looking forward to a lively discussion. 18 Sep 2012 The following new journal has just been announced: "JAI will publish papers describing astronomical instruments being proposed, developed, under construction and in use [...] JAI will consist of high-quality, refereed papers that are electronically accessible (open access)." The Guidelines for Contributors (state that article processing fees will be waived for submissions in 2012; however, they do not indicate what the price will be afterwards. (Neural Migration, 2021, Greg Dunn, www.gregadunn.com.) Article 25 Apr 2022 Page 2 Page 3 Previous Volume | All Volumes Page 2 cover: In Neural Migration, the artist and neuroscientist Greg Dunn depicts radial glia (black) creating new neurons (white). The intent of the publisher is to show that Nature is "fully committed to open research and the benefits this brings for researchers, institutions, funders and the wider public." Hybrid journals operate on a subscription basis, but provide researchers with the opportunity to make their individual articles OA for a fee. ScienceOpen was founded in 2013 and is currently in beta version; more information can be found on their FAQ page. 23 Dec. Questions that will be answered in this presentation include: What is ORCID? Nathalia is a trained librarian, documentalist, and data analyst, with experience in database administration and task automation. Even papers within subdomains presented a wide range of properties, including number of citations. In contrast, CrossRef and DataCite update your account automatically, if you give them permission (and if you submitted your ORCID to the publisher). This transition will affect the Astronomical Journal (AJ) and the Astrophysical Journal (ApJ), Astrophysical Journal Letters (ApJL), and Astrophysical Journal Supplement Series (ApJS). 20 Oct. For astronomy books published before 2012, chances are high that the library holds a print version. For further information, contact the librarians and check out the presentation slides. [snip] Read full article here. 2021: Open Research Europe platform A new platform for EU-funded research has become available: "Today, the European Commission launched Open Research Europe, a publishing platform for scientific papers that will be accessible to everyone. 20 February 2014 Beginning of 2014, SCOAP3 (the Sponsoring Consortium for Open Access Publishing in Particle Physics) started operations. 2020: Informal Discussion on Open Access. If you have any questions, contact us at library@eso.org. 25 July 2014 As we did in previous years, the library will compile a list of ESO-authored papers presented at the SPIE conference on Astronomical Telescopes + Instrumentation 2014. Wolbach Library at the Harvard-Smithsonian Center for Astrophysics in Cambridge, MA, USA, who gave a presentation in which he shared with us some of the technology trends that are currently impacting scholarly communication, such as Authorea and Zenodo (see also Internal Announcement int14154). The article can be found at 9 August 2017 The paper by Piwowar et al. As a result, we cannot provide access anymore. Using machine-learning algorithms, the researches estimate that, as a result of gender bias, astrophysics papers whose first authors are women receive around 10% fewer citations than those that are first-authored by men. Behind Unpaywall is Impactstory, a nonprofit website working to make science more open and reusable online. 4. Unlike the vast open spaces shown on the cover, most extracellular space in real brain tissue is only tens of nanometers wide and thus difficult to probe. More information can be found in Gower's Weblog and on Nature. For further information, see the press release at . In addition, you can save the content to your machine. 9 January 2018 The first ebooks in the AAS-IOP Astronomy collection are now available: Astrophysics of Red Supergiants Emily Levesque This is the first book of its kind devoted to our current knowledge of red supergiant stars, a key evolutionary phase that is critical to our larger understanding of massive stars. We regret this development, but have no means to influence the legal situation. Diffusion analysis and imaging techniques have gradually been able to characterize that space, which is essential for passing electrical and chemical signals. It provides a useful gauge of a journal 's value before it is indexed, as all authors who have a requirement to publishing Open Access can publish in a journal 's value before it is indexed, as all authors who have a requirement to publishing Open Access can publish in a journal 's value before it is indexed, as all authors who have a requirement to publishing Open Access to funding. The use case we have in mind is the refereeing process: you receive a manuscript for review for which you would like to access the cited papers. 19 Oct 2012 A recent study published in Science (Oct. 2021: AAS journals switch to OA On 1 Sep 2021, the AAS announced that their journals switch to OA On 1 Sep 2021, the AAS announced that their journals switch to OA On 1 Sep 2021. publication peer-review, commenting and rating of articles which they enable by offering online space and tools. If I regretted selling you a book, I didn't get to break into your house and steal it, even if I left you a cash refund for the price you paid" (Forbes: 'The Books Will Stop Working': How The Microsoft Store Is Retiring Its Books Category, 21 June 2019 American Astronomical Society to acquire Sky & Telescope The American Astronomical Society has agreed to acquire Sky & Telescope (S&T) magazine and its related business assets, including the skyandtelescope.com website, SkyWatch annual, digital editions, astronomy-themed tours, and S&T-branded books, sky atlases, globes, apps, and other stargazing products. By connecting this iD to all their research activities, publications, and affiliations, researchers will be able to benefit from improved recognition, reduce reporting burdens, and ensure they receive full credit for their work. Instead of searching for them manually in ADS, you upload the manuscript to the resolver and simply click on the provided links. If you would like to give it a try, please upload your .tex or .bbl file at Please note that this platform is still experimental, so not all references will currently be resolved correctly. On page 26, Charles Nicholson focuses not on brain cells but on the gaps between them. We hope to improve the service based on your feedback: library@eso.org 13 November 2016 A recent paper posted on arXiv analyzes the role of the first author gender on the number of citations that a paper receives. stabilobj has been developed by Sebastien Derriere, CDS; a demo page is available at derriere/stabilobj/ (2) A new webpage provides an overview of ESO publication statistics (1996-2011). (Some are obvious anyway.) The five key insights from the study are: "First, these results support Goodhart's Law [27s_law] as it relates to academic publishing; that is, traditional measures [of] importance/impact. 15 Jul. 2020: News from ESO Garching Library team We are happy to announce that as of today, Nathalia Escarlate will be joining the Library and Information Centre team in Garching. Researchers and contributors may now link education and employment affiliations to their ORCID Records. rejected by Safari. In addition, the telbib database can now be queried automatically through an API (Application Programming Interface). 2020: Find OA articles, many scientists have installed the Unpaywall.org). 2020: 16 retrieve open access versions of scientific articles, many scientists have installed the Unpaywall.org). Society Publishers (incl. Articles are published under a CC-BY license and can be freely downloaded and further disseminated. The blog entry, along with an interview with Robert Simpson, one of the project leaders and some visualizations can be found at 11 Jul 2012 The library is organizing a session on Open Access Publishing which will take place Tuesday, July 31, 2012 at 3 pm (Garching) / 9 am (Chile) in the ESO Council Room. According to Nature, "APCs vary from title to title, starting from €1,570 in Scientific Reports to € 9,500 in Nature." More information can be found at . Policies of some funders, for instance the Plan S of the coAlition S, even exclude publishing research output funded by them in hybrid journals (see . At the same time, the number of scientific papers is increasing too, but at a slightly lower rate. 18 February 2014 Prompted by a recent enquiry, we had a closer look at a new open access website: ScienceOpen. The platform is an optional service for Horizon Europe and Horizon 2020 beneficiaries so that they can comply with their funding requirements for immediate open access, at no cost to them." Further information is available at 23 Feb. Users are invited to re-use the material, provided that credit is given to the original article. The journal for the field, representing and fostering closer interaction between all of the key astronomy-relevant disciplines. Moreover, a huge quantity of papers - over 72% of all papers and 25% of all papers with at least 5 references - have no citations at all after 5 years. the 1960s, there is a steep increase in the number of active research astronomers. The library has created a short guide that explains how: Claiming ORCID papers through ADS - a step-by-step guide Let us know if you have any questions or comments. The presentation slides are available from the libraries pages. Probably most of you have an ORCID and/or have an ORCID. All telbib charts are interactive; the data exported in the CSV and XLS tables correspond to the selection made by the user. telbib contains papers dating back to 1996 and is compiled by the ESO Library by scanning the major astronomical journals for scientific papers that contain any of the ESO-defined keywords (e.g., telescope and instrument names). Further information can be found at . Even ebooks that Microsoft had given away for free will no longer be available to read, Microsoft explains on its site, stating "You can continue to read free books you've downloaded until July 2019 when they will no longer be accessible." Writing on the BoingBoing blog earlier this month, long-time DRM opponent Cory Doctorow succinctly explained why Microsoft ebook owners aren't happy about the news, despite the full refund offered: "When I was a bookseller, nothing I could do would result in your losing the book that I sold you. 3 April 2014 The journal A&A, published by EDP Sciences, is now also available in ePUB format for easy reading on mobile devices. 11 September 2017 IOP Publishing, the publisher of ApJ and AJ, announced that ORCID (Open Researcher and Contributor ID) identifiers have been introduced across all IOP journals. A full listing is available at . The Internal Announcement of Chris' talk can be found here. 7 November 2017 A white paper entitled "The OA effect: How does open access affect the usage of scholarly books?" has been published today by Springer Nature. S&T's current owner, the magazine- and book-publishing company F+W Media, sought Chapter 11 bankruptcy protection in March 2019. More information can be found at 27 May 2019 Overview of publication business models Open Access, subscriptions, transformative agreements.... Writing Studio provides: A collaborative LaTeX solution: Multiple coauthors can jointly work on a single version of the paper with up-to-date A&A macros already included. Clearly, a significant amount of resources is spent on papers with limited impact, which may indicate that researchers are publishing more papers of poorer quality to boost their total number of publications. You can set up your ORCID ID or log into an existing account to add information at 18 November 2013 A new entry at the In The Dark blog announces that the Open Journal for Astrophysics (OJFA) now accepts test submissions. It is expected that authors will investigate all options for funding (e.g., from their funding body, their institution or organization, etc.), but ultimately it will be their decision what they feel is a fair price to pay. Maria Eugenia has been the heart and face of the ESO Chile Library during the past decades (!), and has shaped and defined the library and its service like nobody else. In order to populate their website with content, ScienceOpen aggregates OA articles from various sources, including astro-ph/arXiv. An alternative tool is the Open Access Helper. on "The State of OA: a large-scale analysis of the prevalence and impact of Open Access articles" (, submitted to PeerJ Preprints, finds that "half of the papers searched for online are free to read". Read the Scientist report ("The Benefits of Rejection") and/or the Science paper. Using the APIs of unpaywall.org and core.ac.uk, this browser plugin provides access to legal open access versions of articles. This new download option gives users more flexibility to process the data according to their needs. The study analysed reader data from the Unpaywall tool, a (free and legal) browser extension that finds open access versions of scholarly articles. Please join us in welcoming Leslie to ESO!! 24 Sept. 17 July 2014 Some time ago we had to stop providing access to the Safari ebook platform as their license agreement was reviewed by the ESO legal department. ORCID provides you with a unique author identifier that reliably and clearly connects you with your research contributions and affiliations. ORCID is an open, non-profit, community-based effort to provide a registry of unique researcher IDs. It is not associated with any specific publisher, discipline, or geographic area. It describes the structure and evolution of stars, with emphasis on the basic physical principles and the interplay between the different processes inside stars. Maria Eugenia, we will miss you! At the beginning of August 2020, Leslie Saldías started working in the ESO Chile Library, learning about the day-to-day work from Maria Eugenia, Unfortunately, it turned out that Safari's lawyers were not able to accept specific changes to their license which are mandatory for any contract signed by ESO. The group behind the initiative consists of international mathematicians and is called the Episciences Project. The press release can be found at 10 December 2013 ORCID is an open, non-profit, community-based effort to provide a registry of unique researcher identifiers. If indeed a model could be found where both reading and publishing articles is free, the organizers would call this the "diamond open access". The announcement, posted on isgtw (international science grid this week), can be found here 2 Apr 2013 Papers included in the ESO Telescope Bibliography (telbib) have been enhanced with Altmetric scores. Leslie can be reached at Leslie.Saldias@eso.org. It is available for Chrome, Safari, and as an app for iOS and iPadOS. 21 October 2013 This year's International Open Access Week takes place October 21-27. Should you be interested in programming and technical books in future, please send a request to library@eso.org. eBooks are available via PDFs of individual chapters. CUP, the publishing arm of elite Cambridge University, later reversed its decision and reposted the articles, following an outcry from academics, who attacked the decision as an affront to academic freedom. 13 September 2013 The 10,000th paper using data from ESO's facilities has been added to the ESO Telescope Bibliography (telbib), our database of refereed papers which have been published by the ESO users community. If libraries renew their subscriptions, A&A will be published in full open access in 2022. How can I automatically connect my ORCID account with future papers? With ADS you can claim your papers very easily and populate your ORCID account with already published papers. The full press release is available on the A&A news page. In addition, a Kindle version is planned to become available in the near future. The AAS OA model is based on article publication charges which are to be paid by the authors. 13 Sep 2012 The following new features have been added to the ESO Telescope Bibliography (telbib,): (1) We implemented stabilobj, a tool that allows users to select an astronomical object in a web page and retrieve information from CDS databases like SIMBAD and VizieR. A more detailed description can be found in the ESO Announcement ann13073. An extensive set of accompanying lecture slides is available for teachers. 2021: New Scientist subscription ceases 2021 Since the subscription price of the magazine New Scientist will increase by a factor of 10 (!) as of 2022, the ESO subscription will cease at the end of 2021. Ease of submission (coming soon): Article will be uploaded to the A&A submission system with a single click, with key fields pre-filled ready for checking. According to the press release, the report shows that "there is a tangible benefit to publishing academic books using immediate, or 'gold', open access (OA) models." Key findings are that on average, OA books are downloaded 7 times more than non-OA books cited 50% more (over a four-year period) mentioned online 10 times more (over a three-year period) This is the fist large-scale analysis investigating the effect of open access books. How can I link my existing papers to my ORCID profile? The IOP Publishing press release is available at 9 August 2017 In a recent contribution to THE (Times Higher Education), Joanna Dally and Frances Downey imagine the research culture of the future. We invite you to go to to try it yourself. 5 Nov.

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