

File checklist

Should you have any questions regarding this checklist, please contact the relevant *Communications* journal.

Files					
Item	Permissible file format	File name on manuscript tracking system	File type on manuscript tracking system	Notes	
Editorial Requests Table (where relevant)	.doc, .docx	Editorial Requests Table	Related Manuscript File	If you have been sent an Editorial Requests Table with your decision letter, please provide a copy, with all changes made in response to our requests detailed in the right-hand column.	<input type="checkbox"/>
Cover letter (optional)	.doc, .docx, .pdf	Cover letter	Author Cover Letter	Outline any additional changes to the manuscript.	<input checked="" type="checkbox"/>
Author responses	.doc, .docx, .pdf	Response to Referees	Rebuttal Letter	Provide your point-by-point response to any issues raised by our reviewers (please include the reviewers' comments in this document).	<input type="checkbox"/>
Article File	.doc, .docx, .tex	Article File	Article (NOT revised manuscript - marked up)	<p>Main manuscript file must be in Microsoft Word or LaTeX format.</p> <p>To ensure the swift production of your article, please ensure that Figures, Schemes, Tables, supplementary files, .bib, .bbl and any other input files for .tex manuscripts that form part of the article content have been uploaded to the peer review system, and that the citations to these items are correctly named/numbered. Missing files or incorrect citations may lead to delays or errors during typesetting.</p> <p>LaTeX and Tex article source files must be accompanied by the compiled PDF for reference.</p>	<input checked="" type="checkbox"/>
Main Figure/Scheme File(s)	.psd, .ai, .eps, .tiff, .jpg, .pdf, .ps, .gif, .ppt, .pptx, .png, .bmp, .vsd, .cdx, .svg or .emf	Figure 1, Figure 2, Scheme 1, etc.	Figure	<p>Each Figure and Scheme must be provided as a separate file at a minimum resolution of 300 dpi at final size. Figures/Schemes must be supplied whole, with all panels included in a single document. They appear at 9 or 18 cm width (1 or 2 columns respectively).</p> <p>Figure/Scheme files must only contain images (no captions, no labels such as "Figure 1", and no page numbers). Figure and Scheme captions must instead be included within the main manuscript file, grouped together at the end of the document.</p> <p>Figures must be in file type .psd, .ai, .eps, .tiff, .jpg, .pdf, .ps, .gif, .ppt, .pptx, .png, .bmp, .vsd, .cdx, .svg or .emf. We recommend using vectographic formats as these lead to higher resolution figures.</p> <p>We strongly discourage the use or adaptation of previously published images (including figures from the literature, stock photos, clip art or commercial satellite and map data), but if this is unavoidable, you must request the necessary rights documentation to re-use such material from the relevant copyright holders and submit this to us alongside your manuscript. An appropriate permissions statement must be present in the relative figure caption for any third-party images.</p> <p>If individuals are identifiable in images, their written permission must be provided.</p>	<input checked="" type="checkbox"/>
Main Table(s)	.doc, .docx, .tex	Included in Article File	Included in Article	<p>Tables must be provided in word-editable format (Word/TeX/Excel/csv), unless scientifically meaningful colours or shading are present, in which case they will be published as a flattened image.</p> <p>Tables should be grouped together at the end of the main manuscript file.</p>	<input checked="" type="checkbox"/>
Graphical Abstract (optional)	.psd, .ai, .eps, .tiff, .jpg, .pdf, .ps, .gif, .ppt, .pptx, .png, .bmp, .vsd, .cdx, .svg or .emf	Graphical Abstract	Graphical Abstract	To avoid typesetting errors, any graphical abstract should be provided as a separate file only and should not be present in the main manuscript file.	<input type="checkbox"/>
Boxes (Reviews/Perspectives only)	.doc, .docx, .tex	Box 1, Box 2, etc.	Article	Included in the main Article File in word-editable format, or uploaded as a separate Word or TeX file under the file type 'Article'.	<input type="checkbox"/>
Supplementary Information	.pdf	Supplementary Information	Supplemental Material	<p>Any Supplementary Figures, Tables, Methods, Notes, Discussion and References must be provided in a single file in PDF format.</p> <p>Supplementary Information files will be uploaded with the published article as they are submitted with the final version of your manuscript. Any highlighting or tracked changes should be removed from the file.</p>	<input checked="" type="checkbox"/>

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				We recommend limiting the size of your Supplementary Information file, and each Supplementary file type listed below, to 50MB.	
Supplementary Data	.csv, .xlsx, .txt, .zip, .cif	Supplementary Data 1, Supplementary Data 2, etc.	Data Sets	Any Supplementary Data files should be supplied separately and should be labelled as Supplementary Data 1, etc. Legends for these should be given in the cover letter or Editorial Requests Table (and not in the main Supplementary Information file).	<input checked="" type="checkbox"/>
Supplementary Audio	.avi, .mp2, .wav, .mp3	Supplementary Audio 1, Supplementary Audio 2, etc.	Supplemental Material	Any Supplementary Audio files should be supplied separately and should be labelled as Supplementary Audio 1, etc. Legends for these should be given in the cover letter or Editorial Requests Table (and not in the main Supplementary Information file).	<input type="checkbox"/>
Supplementary Movies	3gp, asf, avi, flv, m1v, m2p, m2ts, m2v, m4a, m4v, mov, mp2, mp3, mp4, mpeg, mpg, mts, mxf, ogv, swf, wav, webm, wmv	Supplementary Movie 1, Supplementary Movie 2, etc.	Video	Any Supplementary Movie files should be supplied separately and should be labelled as Supplementary Movie 1, etc. Legends for these should be given in the cover letter or Editorial Requests Table (and not in the main Supplementary Information file).	<input type="checkbox"/>
Supplementary Software	.zip	Supplementary Software 1, Supplementary Software 2, etc.	Supplemental Material	Any Supplementary Software files should be supplied separately and should be labelled as Supplementary Software 1, etc. Legends for these should be given in the cover letter or Editorial Requests Table (and not in the main Supplementary Information file). In order to avoid errors in our production process, Supplementary Software files in .xml or .rar format must instead be supplied as .zip files.	<input type="checkbox"/>
Life sciences reporting summary	.pdf	Reporting Summary	Supplemental Material	For life science manuscripts, a final completed version of the life sciences reporting summary must be supplied. https://www.nature.com/documents/nr-reporting-summary.pdf The reporting summary will be published alongside your manuscript and therefore it needs to accurately represent your work. Please take a close look at the reporting summary and make sure that everything is completed correctly. In the section "Reporting for specific materials, systems and methods", you need to tick a box for each item, according to whether or not it applies, which will result in irrelevant sections becoming hidden. In the subsequent sections no box should be left blank or completed as N/A, including when the response is negative. Also, please make sure to include your name and date at the top of the document.	<input type="checkbox"/>
Solar cells reporting summary	.pdf	Solar cells reporting summary	Supplemental Material	For solar cell manuscripts, a final completed version of the solar cells reporting summary must be supplied. https://www.nature.com/documents/nr-photovoltaic-reporting.pdf	<input type="checkbox"/>
Lasing reporting summary	.pdf	Lasing reporting summary	Supplemental Material	For lasing manuscripts, a final completed version of the lasing reporting summary must be supplied. https://www.nature.com/documents/nr-lasing-reporting.pdf	<input type="checkbox"/>
Editorial policy checklist	.pdf	Editorial policy checklist	Related Manuscript File	For all primary research articles, a final completed version of the editorial policy checklist should be supplied. https://www.nature.com/documents/nr-editorial-policy-checklist.zip Please note that this form is a dynamic 'smart pdf' and must therefore be downloaded and completed in Adobe Reader. Clicking this link will download a zip file containing the pdf.	<input checked="" type="checkbox"/>
Suggested featured image	.jpg, .pdf, .gif, .tiff, .psd	Featured image	Related Manuscript File	If you wish, you may supply an interesting image (but not an illustration or schematic) for consideration as a 'Featured Image' on the journal homepage. The file should be 1200x675 pixels in RGB format and should be uploaded as 'Related Manuscript File'. In addition to our home page, we may also use this image (with credit) in other journal-specific promotional material. If you submit a suggested featured image, please also include a completed image License to Publish form (also upload as 'Related Manuscript File', with file name 'Featured image LTP').	<input type="checkbox"/>